

SCS ENGINEERS

February 14, 2006
File No. 01205098.01

City of Milpitas
455 E. Calaveras Boulevard
Milpitas, California 95035

Attention: Ms. Lissette Morales

Subject: Limited Environmental Investigation
“Winsor Properties” (APN 28-24-014)
94, 110, and 130 Winsor Street
Milpitas, California

Purpose

The purpose of the limited environmental sampling and analysis at APN 28-24-014 was to more fully evaluate hydrocarbon-impacts to soil and groundwater in the vicinity of two former underground storage tanks (USTs) previously located near the northeast corner of the 130 Winsor Street Building (See Figures 1 through 3).

Contaminants previously detected in site soils and groundwater have included total petroleum hydrocarbons as gasoline, diesel fuel, and motor oil (TPH-g, TPH-d, and TPH-mo), benzene, toluene, ethylbenzene, and xylenes (BTEX), and methyl tert butyl ether (MTBE).

Site Location and Description

APN 28-24-014 is an approximately 13,000 square foot semi-rectangular property located on the eastern side of Winsor Street approximately 250 feet south of Weller Lane in Milpitas, California. The Property is bounded to the north by the “Winsor Triangle” property (APN 28-24-015), to the south by a city storage yard, to the east by railroad tracks, and to the west by Winsor Street. The Property includes the addresses 94, 110, and 130 Winsor Street.

APN 28-24-014 is currently slated for redevelopment as part of the City of Milpitas North Main Street Development Project. Current plans indicate that an above-ground parking structure is to be built on APN 28-24-014. The parking structure will be part of the new Milpitas Public Library complex.

Regulatory Thresholds

In an effort to evaluate the relative significance of chemical concentrations detected during this investigation (and during previous investigations) SCS Engineers (SCS) has compared analytical data to the residential Environmental Screening Levels (ESLs) established by the San

Francisco Bay Regional Water Quality Control Board (SFBRWQCB). ESLs were developed to address the environmental protection goals established by the San Francisco Bay Basin Water Quality Control Plan (SFBRWQCB, June 21, 1995) and are protective of human health, drinking water resources, and aquatic and terrestrial ecosystems. The site is slated for future redevelopment as a parking structure for the new Milpitas Library complex and as such residential ESLs are appropriate for the site. Chemicals detected at concentrations below ESLs are generally assumed to not pose a significant threat to human health or the environment. Further assessment and/or monitoring is generally necessary for chemicals detected at concentrations exceeding ESLs.

Previous Investigation/Assessment

SCS was provided the following previous environmental documents relevant to APN 28-24-014:

- Epperson Environmental Consulting, April 16, 1994. *Underground Storage Tank Removal Report and Summary, 130 Winsor, Milpitas, California, APN # 028-24-014.*
- Terratech, Inc., August 16, 1996. *Fuel Leak Investigation, Winsor Property, 130 Winsor Street, Milpitas, California, APN 028-24-014.*
- Terratech, Inc., January 27, 1997. *Report on Soil and Ground Water Investigation, 130 Winsor Street, Milpitas, California.*
- California Environmental Management Service Company (CEMS) & Hoexter Consulting, Inc., February 13, 2004. *Initial Plume Definition for Milpitas Transmission, SCVWD ID No. 06S1E07C02f, Case No. 14-335, 130 Winsor Street, Milpitas, California.*
- Lowney Associates, October 1, 2004. *Soil and Ground Water Quality Evaluation, Proposed Milpitas Library Expansion Parcels, Milpitas, California.*

UST Removal - 1994

In March 1994, one 300-gallon waste oil UST and one approximately 1,000 gallon gasoline UST were removed from east central portion of APN 28-24-014 just northwest of the building at 130 Winsor Street (see Figure 3 for the approximate UST locations). Both USTs were installed circa 1950, however, upon removal the USTs reportedly had “a sound appearance”. The following compounds were detected in soil samples collected beneath the USTs at concentrations exceeding residential ESLs:

- **TPH-g** at concentrations up to 350 mg/kg (ESL = 100 mg/kg)
- **Benzene** at concentrations up to 1.4 mg/kg (ESL = 0.044 mg/kg)
- **Xylenes** at concentrations up to 6.8 mg/kg (ESL = 2.3 mg/kg)

Approximately 20 to 25 cubic yards of soil excavated during UST removal was stockpiled on-site. Shallow groundwater was noted in the tank excavation and a “small amount of floating product” was reportedly observed. A sample of the groundwater was not analyzed. Soils excavated during the UST removal in 1994 were reportedly transported off-site for disposal and the excavation backfilled in November 1997 (CEMS/Hoexter, February 2004).

Terratech Investigation – 1996 (Groundwater Monitoring Well *MW-1*)

Groundwater monitoring well *MW-1* was installed just west of the former USTs in July 1996 by Terratech. The well was installed to a total depth of 16.5 feet below ground surface (bgs) and screened from approximately 6.5 to 16.5 feet bgs. The following constituents were detected in a groundwater sample collected from well *MW-1* in July 1996 at concentrations exceeding ESLs:

- **TPH-g** at a concentration of 1,500 µg/L (ESL = 100 µg/L)
- **TPH-d** at a concentration of 8,100 µg/L (ESL = 100 µg/L)
- **TPH-mo** at a concentration of 1,500 µg/L (ESL = 100 µg/L)
- **Benzene** at a concentration of 14 µg/L (ESL = 1 µg/L)

In addition, TPH-d and TPH-mo were detected in soil samples collected during installation of *MW-1* at concentrations up to 3,900 and 1,200 mg/kg, respectively. These detections were at a depth of 14 feet bgs. Other constituents of concern at the site including TPH-g, benzene, and lead were not detected in soil samples collected during installation of *MW-1* at concentrations exceeding ESLs.

Terratech Investigation – 1996/1997 (Boring *B-1* through *B-5*)

In December 1996 Terratech drilled and sampled five exploratory borings (B-1 through B-5) in the vicinity of the former USTs. A copy of the boring location map from the Terratech report (January 27, 1997) is provided in Attachment A). The borings were drilled to total depths of up to 20 feet bgs and groundwater samples were also collected. The following constituents were detected in the groundwater samples collected from borings *B-1* through *B-5* at concentrations exceeding ESLs:

- **TPH-g** at concentrations up to 170 µg/L (ESL = 100 µg/L)
- **TPH (as kerosene; TPH-k)** at concentrations up to 2,500 µg/L (ESL = 100 µg/L)
- **TPH (as hydraulic oil; TPH-d)** at concentrations up to 48,000 µg/L (ESL = 100 µg/L)
- **Benzene** at concentrations up to 9 µg/L (ESL = 1 µg/L)
- **1,2-Dichloroethane (1,2-DCA)** at concentrations up to 74 µg/L (ESL = 0.5 µg/L)

In addition, TPH-d and TPH-mo were detected in soil samples collected during the investigation at concentrations up to 430 and 800 mg/kg, respectively. These detections were at a depth of 8 to 12 feet bgs. Other constituents of concern at the site including TPH-g and benzene were not detected in soil samples during the Terratech investigation at concentrations exceeding ESLs.

CEMS/Hoexter Investigation – 2003 (Boring *B-6* through *B-16*)

In August 2003 CEMS/Hoexter Consulting drilled ten exploratory (*B-6* through *B-16*) throughout the site. A copy of the boring location map from the CEMS/Hoexter report February 13, 2004) is provided in Attachment A). The borings were drilled to a maximum depth of 28 feet bgs and groundwater samples were collected. The following constituents were detected in the groundwater samples collected from borings *B-6* through *B-16* at concentrations exceeding ESLs:

- **TPH-g** at concentrations up to 7,300 µg/L (ESL = 100 µg/L)
- **TPH-d** at concentrations up to 80,000 µg/L (ESL = 100 µg/L)
- **TPH-mo** at concentrations up to 130,000 µg/L (ESL = 100 µg/L)
- **TPH-k** at concentrations up to 40,000 µg/L (ESL = 100 µg/L)
- **Benzene** at concentrations up to 150 µg/L (ESL = 1 µg/L)
- **Xylenes** at concentrations up to 26 µg/L (ESL = 20 µg/L)
- **1,2-DCA** at concentrations up to 5.6 µg/L (ESL = 0.5 µg/L)

In addition, TPH-d, TPH-mo, and benzene were detected in soil samples collected during the CEMS/Hoexter investigation at concentrations up to 310, 120, and 0.34 mg/kg, respectively. These detections were at depths of 9.5 to 14 feet bgs. Other constituents of concern at the site including TPH-mo and MTBE were not detected in soil samples collected during the CEMS/Hoexter investigation at concentrations exceeding ESLs.

Information reviewed by CEMS/Hoexter as part of their investigation suggests that first groundwater beneath the site flows in a northwesterly direction.

Lowney Associates – 2004 (Borings *EB-5*, *EB-6*, *EB-8* through *EB-12*, and *EB-19*)

In May and August 2004 Lowney Associates (Lowney) collected soil samples at maximum depths of three feet bgs from eight shallow borings (*EB-5*, *EB-6*, *EB-8* through *EB-12*, and *EB-19*) located throughout the APN 28-24-014. In addition groundwater samples were collected from two borings (*EB-5* and *EB-7*). A copy of the boring location map from the Lowney Associates report October 1, 2004) is provided in Attachment A). The following constituents were detected in the groundwater samples collected from borings *EB-5* and *EB-7* at concentrations exceeding ESLs:

- **TPH-d** at concentrations up to 180 µg/L (ESL = 100 µg/L)
- **MTBE** at concentrations up to 9.6 µg/L (ESL = 5 µg/L)

Other constituents of concern at the site including TPH-g, TPH-mo, benzene, MTBE, and lead were not detected in soil samples collected during the Lowney investigation at concentrations exceeding ESLs.

Task 1 – Sampling and Analysis of Existing Groundwater Monitoring Well *MW-1*

On November 3, 2005 SCS personnel purged and sampled existing groundwater monitoring well *MW-1*.

Materials and Methods

Prior to purging a water level measurement was first collected using an electric water level meter. Measurements were collected to the nearest 0.01 foot from ground surface. The water level was recorded at feet bgs. Well *MW-1* was then purged using a 12-volt submersible pump. Groundwater samples were collected in 40 ml glass bottles (VOAs) supplied by the laboratory using a new disposable polyethylene bailer.

All non-dedicated sampling equipment, (i.e., water level meter, etc.) was decontaminated initially and between each sample using a biodegradable detergent (Liquinox) and standard three stage distilled water wash and rinse. New Nitrile gloves were worn while sampling.

The groundwater sample collected from well *MW-1* was analyzed for TPH-g, TPH-d, and TPH-mo using EPA Method 8015C, for VOCs, including BTEX and MTBE, using EPA Method 8260B, for semi-volatile organic compounds (SVOCs) using EPA Method 8270, and for CAM-17 Metals using Standard Method E200.8.

Analytical Results

Analytical results for well *MW-1* are summarized on Table 1. The laboratory report for well *MW-1* is provided as Attachment B. Compounds detected in the groundwater sample from well *MW-1* at concentrations exceeding ESLs are summarized below:

- **TPH-g** was detected at a concentration of 420 µg/L (ESL = 100 µg/L)
- **TPH-d** was detected at a concentration of 17,000 µg/L (ESL = 100 µg/L)
- **TPH-mo** was detected at a concentration of 43,000 µg/L (ESL = 100 µg/L)
- **Benzene** was detected at a concentration of 18 µg/L (ESL = 1.0 µg/L)
- **Chlorobenzene** was detected at a concentration of 18 µg/L (ESL = 1.5 µg/L)
- **Arsenic** was detected at a concentration of 62 µg/L (ESL = 36 µg/L)
- **Mercury** was detected at a concentration of 0.04 µg/L (ESL = 0.012 µg/L)
- **Molybdenum** was detected at a concentration of 350 µg/L (ESL = 35 µg/L)

Task 2 – Limited Soil Investigation (Borings *014-1* through *014-13*)

Transglobal Environmental Geochemistry (TEG) of Rancho Cordova, California, conducted soil sampling activities at APN 28-24-014 on December 19 and 20, 2005 under the direction of SCS personnel. Thirteen borings (*014-1* through *014-13*) were drilled using TEG's *Strataprobe* direct-push sampling rig. Soil samples were collected at depths of approximately 5, 10, 15, and 20 feet bgs. Groundwater samples were also collected from selected borings (see below). Sampling locations are shown on Figure 3. Boring logs are provided in Attachment C.

Materials and Methods

Continuous soil cores were obtained by hydraulically hammering 2.25-inch diameter, four-foot long hollow steel drive rods containing acetate sample sleeves to depths of approximately fifteen to twenty five feet bgs (where groundwater was encountered). Upon retrieval, the acetate sleeve containing the soil core was removed from the hollow drive rod and an approximately one foot long portion of the sleeve was cut from the desired sample depth. Immediately following soil sample collection, both ends of the cut acetate sleeve were covered with Teflon sheets, capped with plastic end caps, and taped with polyethylene tape. A label noting the date of collection, sample number, depth, and project number was affixed to each collected sample.

The remainder of the acetate sleeves were used for soil logging purposes using the Unified Soil Classification System and for volatile organic compound (VOC) vapor head space analysis. For the head space analysis, Ziploc plastic bags were partially filled with soil from each sample location. The sealed plastic bags were allowed to sit approximately 30 minutes to allow for volatilization before field measurements were collected using a MiniRAE 2000 Photo-Ionization Detector (PID) calibrated to 100 parts per million Isobutylene. Field measurements are recorded on the boring logs, which are provided in Attachment C. If groundwater samples were not desired then sampling points were backfilled with Portland cement grout and patched with asphalt cold patch as appropriate. If groundwater samples were desired then the collection procedures are described in the next section.

An on-site mobile laboratory provided by TEG was used to analyze selected soil samples immediately in the field. These soil samples were analyzed for TPH-g, BTEX, and MTBE by EPA Method 8260B, and for TPH-d, and TPH-mo by EPA Method 8015C.

All remaining soil samples were placed in a chilled cooler for later transport to McCampbell Analytical Laboratory (McCampbell) located in Pacheco, California for analysis. Selected samples were analyzed for TPH-g, TPH-d, TPH-mo, and BTEX by EPA Method 8021B and 8015Cm.

Soil samples were tracked from the point of collection through either laboratory using proper chain-of-custody protocol. TEG's mobile laboratory and McCampbell are certified by the California Department of Health Services to perform laboratory analysis.

All non-dedicated sampling equipment, (i.e., drive rods, etc.) were decontaminated initially and between each boring using a biodegradable detergent (Alconox) and standard three stage distilled water wash and rinse. New Nitrile gloves were worn for each boring.

Sample locations are shown on Figure 3. Analytical results for the soil samples are summarized in Table 1.

Soil Analytical Results

Analytical results for soil samples are summarized on Table 2. The laboratory report and chain-of-custody documentation for these samples are provided in Attachment D. Compounds detected in the soil samples at concentrations exceeding residential ESLs are summarized below:

- **TPH-g** was detected in soil samples *014-1, 5.0'* and *014-2, 15.0'* at concentrations of 170 and 190 mg/kg, respectively (ESL = 100 mg/kg)
- **TPH-d** was detected in soil sample *014-1, 5.0'* at a concentration of 200 mg/kg (ESL = 100 mg/kg)
- **TPH-mo** was detected in soil samples *014-1, 5.0'* and *014-2, 15.0'* at concentrations of 840 and 570 mg/kg, respectively (ESL = 500 mg/kg)
- **Benzene** was detected in soil samples *014-1, 10.0'* and *014-7, 10.0'* at concentrations of 0.22 and 0.130 mg/kg, respectively (ESL = 0.044 mg/kg)

Task 3 – Limited Groundwater Investigation (Borings 014-1 through 014-13)

TEG conducted groundwater sampling and analysis APN 28-24-014 on December 19 and 20, 2005 under the direction of SCS. Groundwater samples were collected from borings *014-1* through *014-9* and *014-11* through *014-13*) were drilled using TEG's *Strataprobe* direct-push sampling rig. Soil samples were collected at depths of approximately 5, 10, 15, and 20 feet bgs. Groundwater samples were also collected from selected borings (see below). Sampling locations are shown on Figure 3.

Materials and Methods

After soil borings reached their desired depth as described above a temporary well screen and casing was installed with in each boring. Well casings consisted of a 0.5 inch diameter by four foot long section of Schedule 40 PVC screen with 0.010 inch factory cut slots attached to blank PVC casing extending to ground surface. A threaded end cap was attached to the bottom of each screen. Following casing installation each well was given approximately a half hour for water level stabilization. Prior to groundwater sample collection a water level measurement was first collected using an electric water level meter. Measurements were collected to the nearest 0.01 foot from ground surface.

Groundwater samples were collected in 40 ml glass bottles (VOAs) supplied by TEG using a stainless steel bailer. Each groundwater sample was analyzed immediately following collection.

All non-dedicated sampling equipment, (i.e., stainless steel bailer, etc.) were decontaminated initially and between each sample using a biodegradable detergent (Alconox) and standard three stage distilled water wash and rinse. New Nitrile gloves were worn for each sample.

Groundwater samples were analyzed for TPH-g, BTEX, and MTBE using EPA Method 8260B, and TPH-d and TPH-mo using EPA Method 8015M.

Groundwater Analytical Results

Analytical results for temporary well groundwater samples are summarized on Table 3. The laboratory report for these samples is provided in Attachment D. Compounds detected in the groundwater samples at concentrations exceeding ESLs are summarized below:

- **TPH-g** was detected in groundwater samples *014-2*, *014-4*, and *014-6* at concentrations of 61, 240, 910, and 410 µg/L, respectively (ESL = 100 µg/L)
- **TPH-d** was detected in groundwater samples *014-4*, *014-6*, and *014-11* at concentrations of 430, 480, and 370 µg/L, respectively (ESL = 100 µg/L)
- **TPH-mo** was detected in groundwater samples *014-2* and *014-11* at concentrations of 2,200 and 350 µg/L, respectively (ESL = 100 µg/L)
- **Benzene** was detected in groundwater samples *014-2* and *014-4* at concentrations of 1.1 and 19 µg/L, respectively (ESL = 1.0 µg/L)
- **MTBE** was detected in groundwater samples *014-4* and *014-11* at concentrations of 51 and 5.3 µg/L, respectively (ESL = 5.0 µg/L)

Conclusions

In accordance with our current contract with the City of Milpitas, SCS conducted a limited subsurface soil and groundwater investigation at APN 28-24-014. As part of this investigation existing groundwater monitoring well *MW-1* and thirteen soil borings (*014-1* through *014-13*) were drilled. Soil and groundwater samples collected and selectively analyzed for TPH-g, TPH-d, TPH-mo, BTEX, MTBE, VOCs, and CAM 17 Metals.

Results of this investigation (and previous investigations) indicate that groundwater in the vicinity of the former USTs is impacted by several constituents of concern (primarily TPH-g, TPH-d, TPH-mo, benzene, and MTBE) at concentrations exceeding groundwater ESLs. As shown on Figure 4, groundwater impacted at concentrations exceeding ESLs appears to be rather limited in extent and the most significant impacts appear to be “heavy hydrocarbons” such as TPH-d and TPH-mo. The highest concentration of benzene detected during SCS’s investigation was 19 µg/L.

However, further investigation is necessary to more fully evaluate the extent of TPH-d, benzene, and MTBE-impacted groundwater downgradient (northwest and west) of sample location *014-11* located in center of Winsor Street. In addition, as described below, the extent of impacted groundwater should be more fully evaluated in the future using permanently installed groundwater monitoring wells.

Soils impacted with constituents of concern at concentrations exceeding ESLs generally appear to be located at depths greater than 5 feet bgs and are likely the result of soil interaction with impacted groundwater. As previously discussed, approximately 20 to 25 cubic yards of soil was excavated during UST removals in 1994 and transported off-site for disposal in 1997.

Future remediation of soil and groundwater may be necessary; but technologies are available such that construction of the proposed parking structure need not be delayed.

Recommendations

Based on the results of this investigation SCS provides the following recommendations for APN 28-24-014:

- A copy of this report should be forwarded to Mr. Mamerto Jarvina at the Santa Clara County Department of Environmental Health (SCCDEH).
- Construction of the proposed above-ground parking structure on APN 28-24-014 should provide a relatively impermeable cap that will limit surface water infiltration at the site. Approval should be obtained from SCCDEH prior to construction of the Parking Structure.
- If parking structure construction workers are anticipated to come into contact with impacted soil and/or groundwater, workers should be notified and proper worker protection (in accordance with OSHA standards) should be used.
- Existing groundwater monitoring well *MW-1* should be protected during future site construction activities.
- Following construction of the parking structure three additional permanent groundwater monitoring wells should be installed downgradient of the former USTs to more fully evaluate impacts to groundwater. If possible one of the wells should be placed to monitor groundwater conditions downgradient of sample location *014-11*. The new wells should be monitored quarterly for at least one year following installation.
- All future site investigative work should be coordinated with and approved by the SCCDEH.

Ms. Lissette Morales

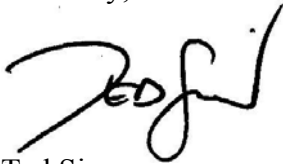
February 14, 2006

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Closing

We appreciate the opportunity to be of service to the City of Milpitas. If you have any questions regarding this submittal, please contact Steve Clements at (925) 240-5152.

Sincerely,



Ted Sison
Staff Scientist
SCS Engineers

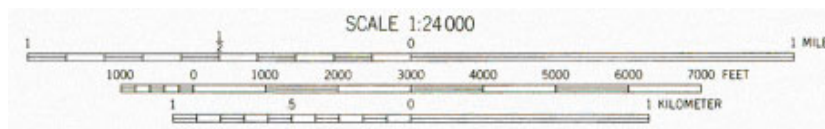
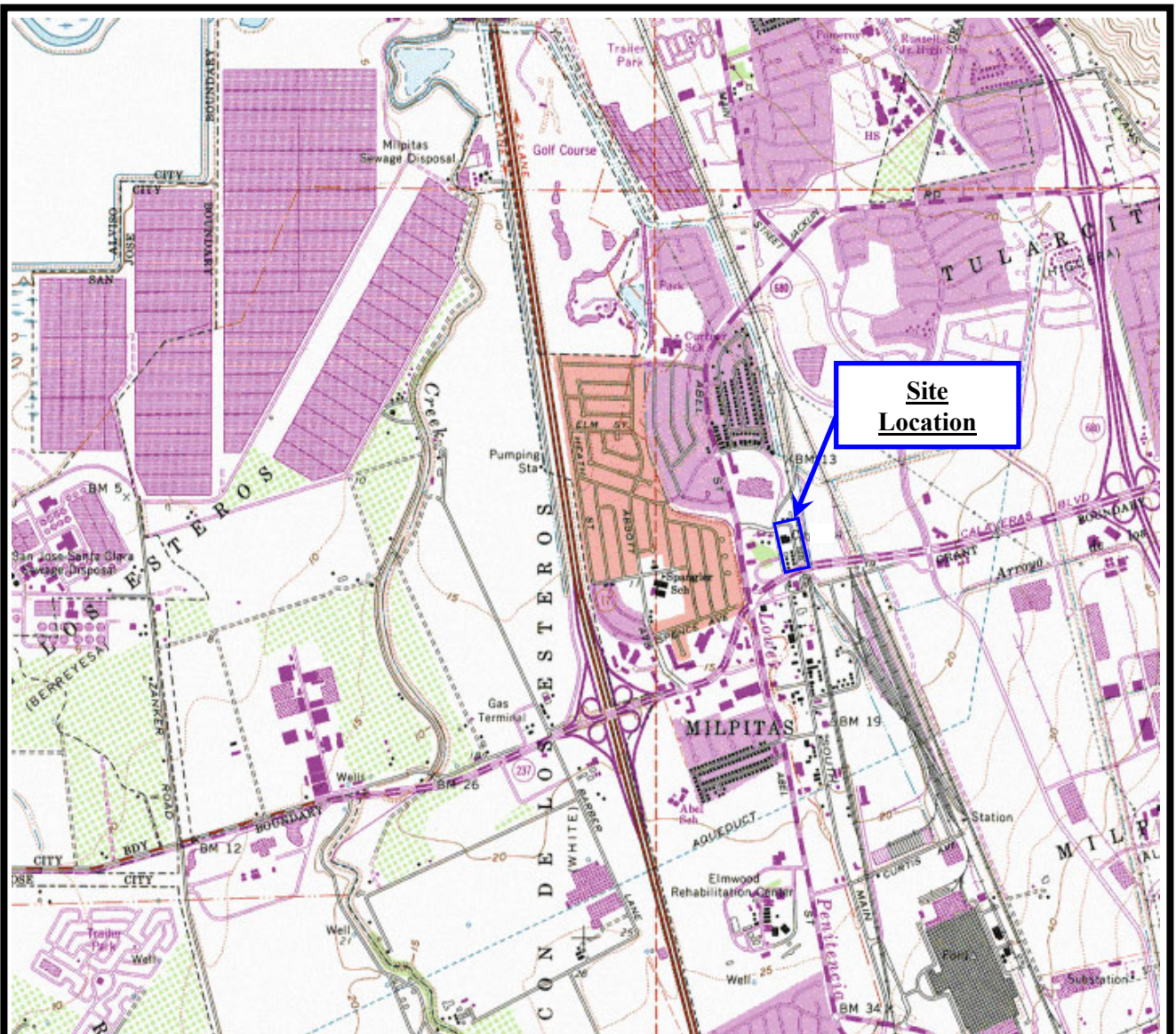


Steve Clements, PG, REA
Project Manager
SCS Engineers

Attachments:	Figure 1	– Site Vicinity Map
	Figure 2	– Site Plan Showing Project Boundary & Area of Focus
	Figure 3	– Site Plan Showing Sample Locations
	Figure 4	– Groundwater Concentration Isocontours
	Table 1	– Summary of Groundwater Sample Analytical Results – MW-1
	Table 2	– Summary of Soil Sample Analytical Results
	Table 3	– Summary of Groundwater Sample Analytical Results - Borings
	Attachment A	– Previous Investigation Sample Location Maps
	Attachment B	– Laboratory Report and Chain of Custody Documentation – MW-1
	Attachment C	– Boring Logs
	Attachment D	– Laboratory Reports and Chain of Custody Documentation – Borings

cc: Mamerto Jarvina - Santa Clara County Department of Environmental Health

FIGURES



SOURCE: UNITED STATES GEOLOGICAL SURVEY Milpitas, CALIFORNIA 7.5 MINUTE SERIES (TOPOGRAPHIC) MAP. OBTAINED FROM THE 2000 NATIONAL GEOGRAPHIC TOPO SOFTWARE..

SCS ENGINEERS

Environmental Consultants & Contractors

6601 Koll Center Parkway
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PROJECT NO: 01205098.01

DESIGNED BY: TMS

SCALE: N.T.S.

REVIEWED BY: SJC

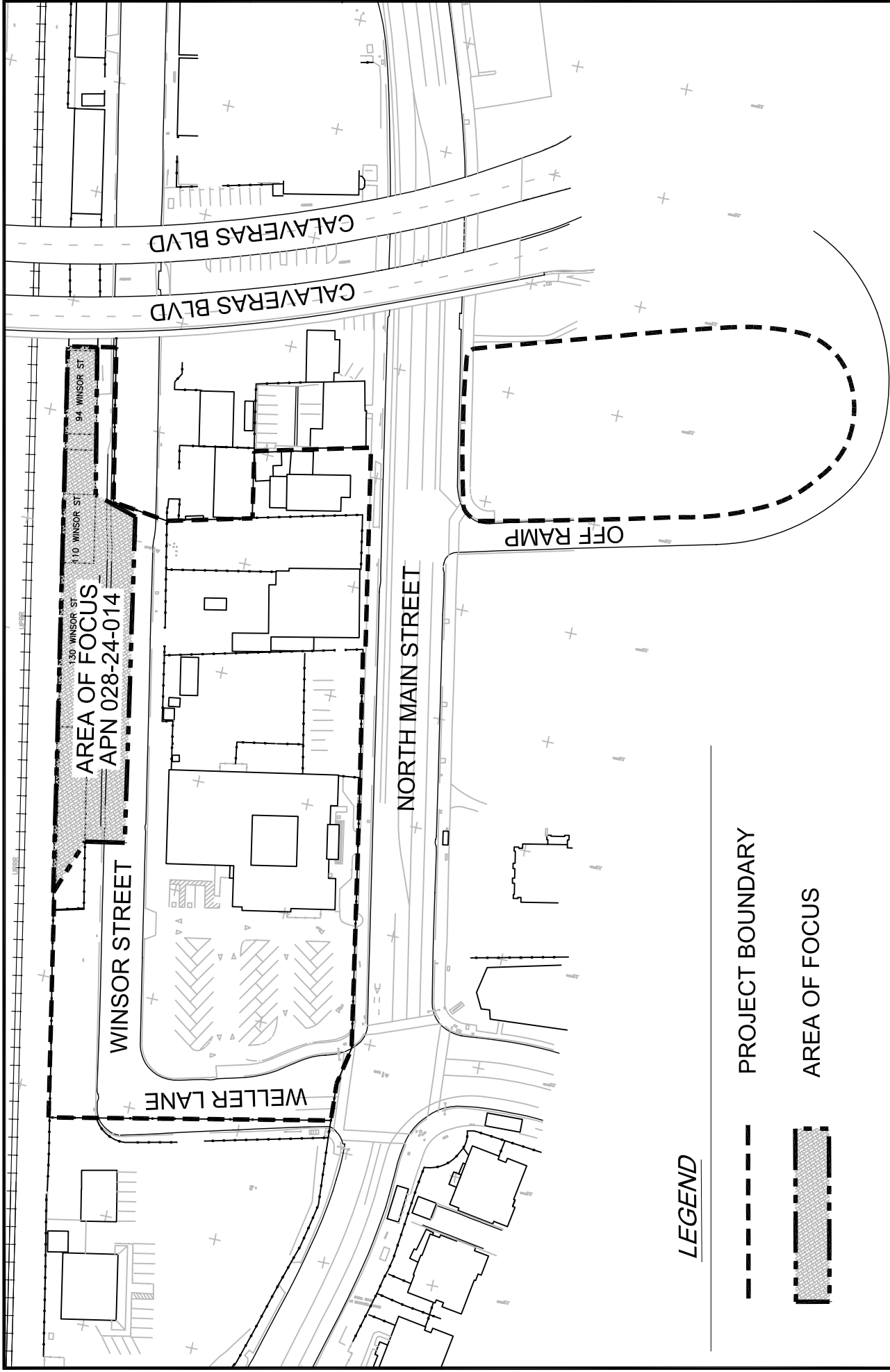
DRAWN BY: TMS

DATE: 12-5-05

FIGURE 1

SITE LOCATION MAP

North Main Street Development Project
Milpitas, California



LEGEND

--- PROJECT BOUNDARY

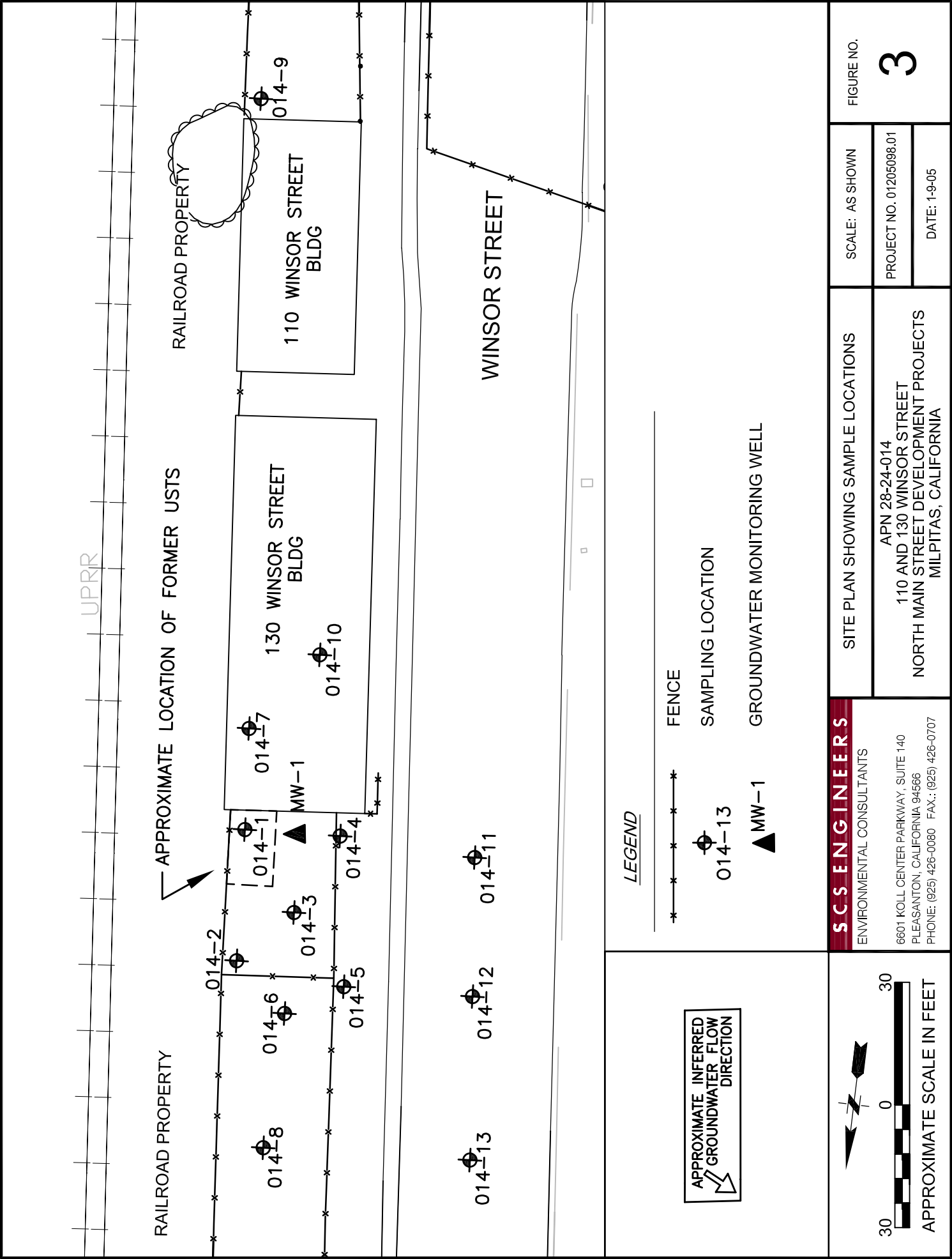
[---] AREA OF FOCUS



APPROXIMATE SCALE IN FEET

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SITE PLAN SHOWING PROJECT BOUNDARY & AREA OF FOCUS	SCALE: AS SHOWN	FIGURE NO.
APN 28-24-014 94, 110, AND 130 WINSOR STREET NORTH MAIN STREET DEVELOPMENT PROJECTS MILPITAS, CALIFORNIA	PROJECT NO. 01205098.01	<div style="font-size: 48pt; text-align: center;">2</div>
	DATE: 2-02-06	



TABLES

Table 1.
Summary of Groundwater Sample Analytical Results - MW-1
APN 28-24-014
94, 110, and 130 Winsor Street
Milpitas, California

Sample ID	Sample Date	Analyte					
		TPH-g	TPH-d	TPH-mo	Benzene	Toluene	Ethylbenzene
		µg/L					
MW-1	11/3/2005	420	17,000	43,000	18	1.4	<1.0
ESL		100	100	100	1.0	40	30
							20
							5.0
							3.1
							<1.0
							3.1

Sample ID	Sample Date	Analyte			
		n-butyl benzene	sec-butyl benzene	tert-butyl benzene	chloro benzene
		µg/L			
MW-1	11/3/2005	3	4.7	1.7	18
ESL		NE	NE	NE	1.5
					NE
					5.1
					5.1
					NE
					NE

Sample ID	Sample Date	CAM 17 Metals					
		Arsenic	Barium	Mercury	Molybdenum	Nickel	Thallium
		µg/L					
MW-1	11/3/2005	62	160	0.04	350	2.4	0.69
ESL		36	1,000	0.012	35	8.2	2
							15
							1.2
							1.2
							1.2

Notes:

NE = Not Established Bold = Exceeds ESL µg/L = micrograms per liter (or parts per billion; ppb)
TPH-g, TPH-d, and TPH-mo analyzed by EPA Method 8015C Metals by Method E200.8. CAM 17 Metals not listed were not detected
BTX, MTBE, and other VOCs analyzed by EPA Method 8260B. EPA 8260B compounds not listed were not detected
ESL = Environmental Screening Level for groundwater that is a current or potential source of drinking water - San Francisco Bay Regional Water Quality Control Board,
Interim Final - February 2005

Table 2.
Summary of Soil Sample Analytical Results
APN 28-24-014
94, 110, and 130 Winsor Street
Milpitas, California

Sample ID, Depth	Sample Date	Analyte							
		TPH-g	TPH-d	TPH-mo	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE
		mg/kg							
014-1, 5.0*	12/19/05	170	200	840	<0.005	<0.005	<0.005	0.006	<0.005
014-1, 10.0'		NA	66	39	0.22	0.037	0.670	0.73	NA
014-1, 15.0**		13	26	110	0.039	0.027	0.46	0.79	<0.005
014-2, 10.0'	12/19/05	21	80	140	0.009	0.008	0.013	0.026	NA
014-2, 15.0**		190	55	570	0.03	<0.005	<0.005	<0.005	<0.005
014-3, 10.0'	12/19/05	86	35	51	0.029	0.033	0.025	0.16	NA
014-3, 15.0'		NA	66	140	0.031	0.008	0.013	0.06	NA
014-4, 10.0'	12/19/05	50	37	<5.0	0.033	0.021	0.043	0.073	NA
014-4, 15.0**		1.5	<10	<20	<0.005	<0.005	<0.005	<0.005	<0.005
014-5, 5.0'	12/19/05	NA	NA	<5.0	<0.005	NA	NA	NA	NA
014-5, 15.0'		NA	NA	<5.0	<0.005	NA	NA	NA	NA
014-6, 10.0**	12/19/05	37	28	180	0.008	<0.005	0.031	<0.005	<0.005
014-6, 15.0'		NA	NA	9.1	<0.005	NA	NA	NA	NA
014-7, 5.0'	12/19/05	NA	NA	NA	<0.005	NA	NA	NA	NA
014-7, 10.0**		31	<10	110	0.13	<0.005	0.19	<0.005	<0.005
014-7, 15.0'		NA	NA	NA	<0.005	NA	NA	NA	NA
014-8, 10.0'	12/20/05	NA	NA	15	<0.005	NA	NA	NA	NA
014-8, 15.0'		NA	NA	<5.0	<0.005	NA	NA	NA	NA
014-9, 10.0'	12/20/05	NA	NA	NA	<0.005	NA	NA	NA	NA
014-9, 15.0'		NA	NA	NA	<0.005	NA	NA	NA	NA
014-10, 0-0.5**	12/20/05	<1.0	<10	<20	<0.005	<0.005	<0.005	<0.005	<0.005
014-12, 10.0'	12/20/05	NA	NA	<5.0	<0.005	NA	NA	NA	NA
014-12, 15.0'		NA	NA	<5.0	<0.005	NA	NA	NA	NA
014-13, 10.0'	12/20/05	NA	NA	<5.0	<0.005	NA	NA	NA	NA
014-13, 15.0'		NA	NA	<5.0	<0.005	NA	NA	NA	NA
ESL		100	100	500	0.044	2.9	3.3	2.3	0.023

Notes:

* = Analyzed by Transglobal Environmental Geochemistry's (TEG's) mobile laboratory. All other soil samples analyzed by McCampbell Analytical.
mg/kg = milligrams per kilogram (or parts per million; ppm) NA = Not Analyzed Bold = Exceeds Residential ESL
TPH-mo, and TPH-d analyzed by EPA Method 8015C
Analysis of TPH-g, Benzene, Toluene, Ethylbenzene, and Xylenes (BTEx) and MTBE by TEG via EPA Method 8260B.
Analysis of TPH-g, Benzene, Toluene, Ethylbenzene, and Xylenes (BTEx) by McCampbell Analytical via EPA Method 8021B/ 8015Cm.
ESL = Environmental Screening Level for soils (deep or shallow) at residential sites located above groundwater that is a current or potential source of drinking water - San Francisco Bay Regional Water Quality Control Board, Interim Final - February 2005.

Table 3.
Summary of Groundwater Sample Analytical Results - Borings
APN 28-24-014
94, 110, and 130 Winsor Street
Milpitas, California

Sample ID	Sample Date	Analyte							
		TPH-g	TPH-d	TPH-mo	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE
		ug/L							
014-1	12/19/2005	61	<50	<250	<0.5	<0.5	<0.5	<0.5	<0.5
014-2	12/19/2005	240	70	2,200	1.1	<0.5	<0.5	<0.5	<0.5
014-3	12/19/2005	<50	82	<250	<0.5	<0.5	<0.5	<0.5	<0.5
014-4	12/19/2005	910	430	<250	19	0.8	<0.5	0.81	51
014-5	12/19/2005	<50	<50	<250	<0.5	<0.5	<0.5	<0.5	<0.5
014-6	12/20/2005	410	480	<250	0.83	<0.5	4.5	<0.5	<0.5
014-7	12/19/2005	<50	<50	<250	0.87	<0.5	0.83	<0.5	<0.5
014-8	12/20/2005	<50	<50	<250	<0.5	<0.5	<0.5	<0.5	<0.5
014-9	12/20/2005	<50	<50	<250	<0.5	<0.5	<0.5	<0.5	<0.5
014-11	12/20/2005	<50	370	350	<0.5	<0.5	<0.5	<0.5	2.6
014-12	12/20/2005	<50	<50	<250	<0.5	<0.5	<0.5	<0.5	5.3
014-13	12/20/2005	<50	<50	<250	<0.5	<0.5	<0.5	<0.5	<0.5
ESL		100	100	100	1.0	40	30	20	5.0

Notes:

ND = Not Detected above specified detection limit

Bold = Exceeds ESL

ug/L = micrograms per liter (or parts per billion; ppb)

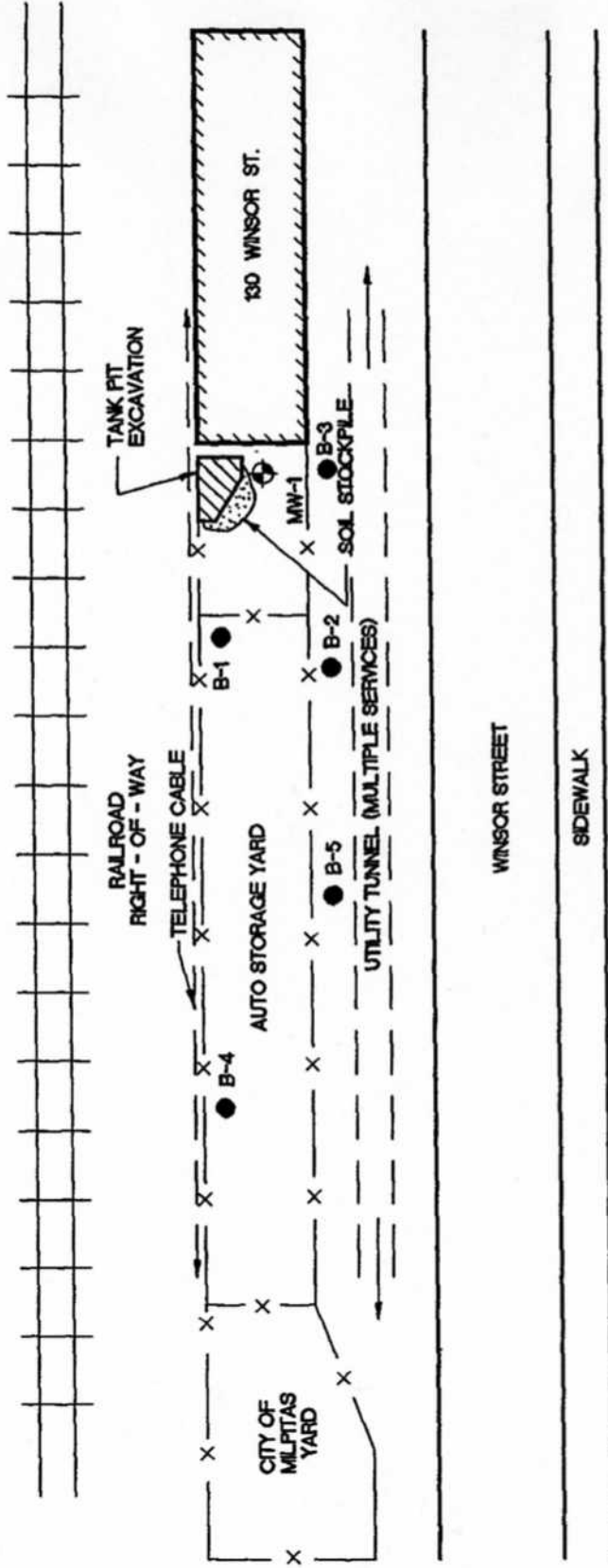
TPH-mo, and TPH-d analyzed by EPA Method 8015M

TPH-g, Benzene, Toluene, Ethylbenzene, Xylenes (BTEx), and MTBE analyzed by EPA Method 8260B.

ESL = Environmental Screening Level for groundwater, regardless of depth, at sites located above groundwater that is a current or potential source of drinking water - San Francisco Bay Regional Water Quality Control Board, Interim Final - February 2005

ATTACHMENT A

PREVIOUS INVESTIGATION SAMPLE LOCATION MAPS



EXPLANATION

- MW-1 - GROUND WATER MONITORING WELL
- B-5 - EXPLORATORY BORING

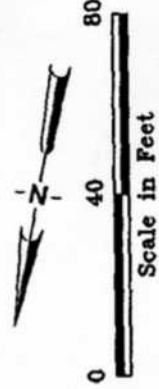
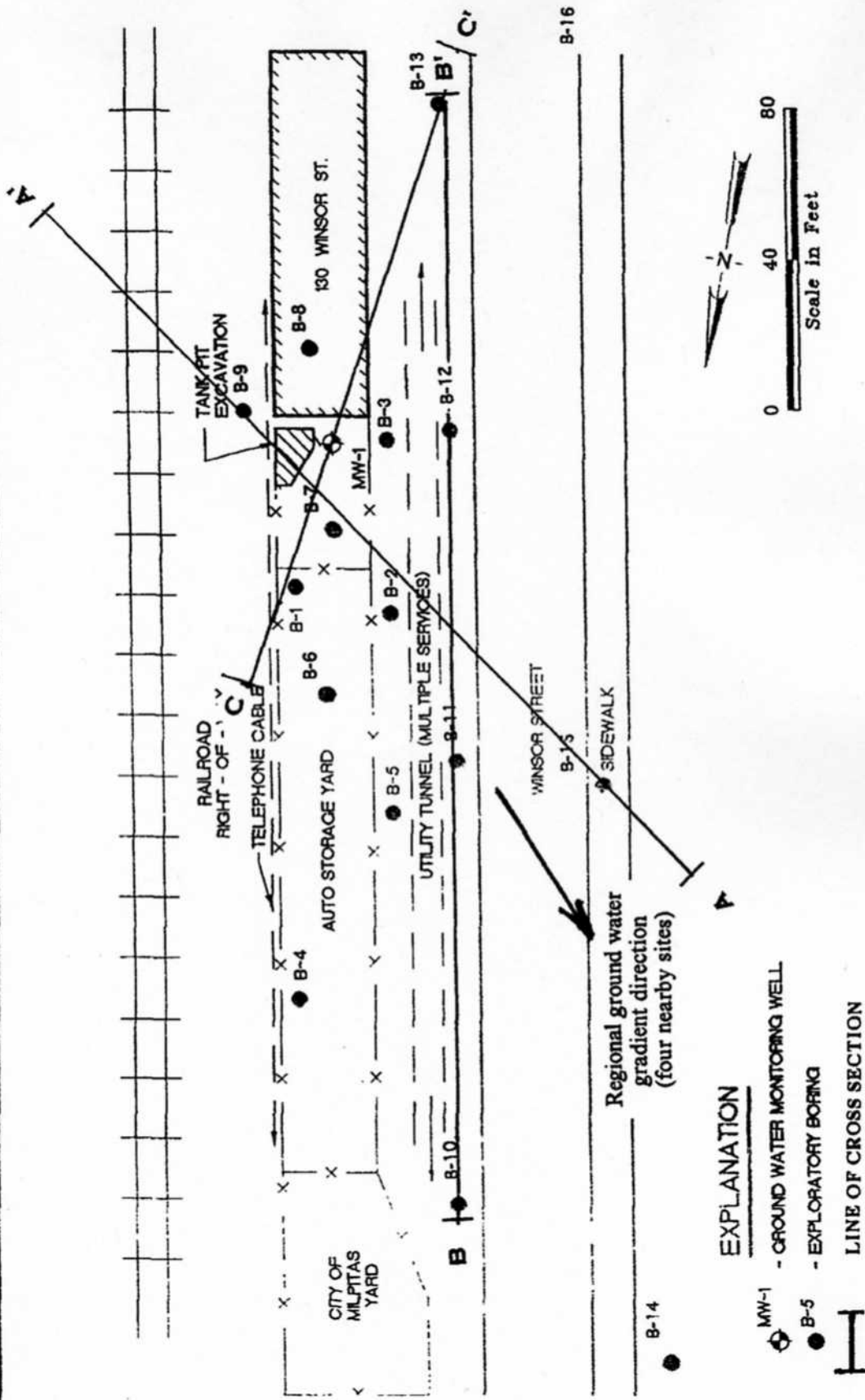


FIGURE
1
PROJECT
108005

WINSOR PROPERTY
130 WINSOR STREET
MILPITAS, CALIFORNIA

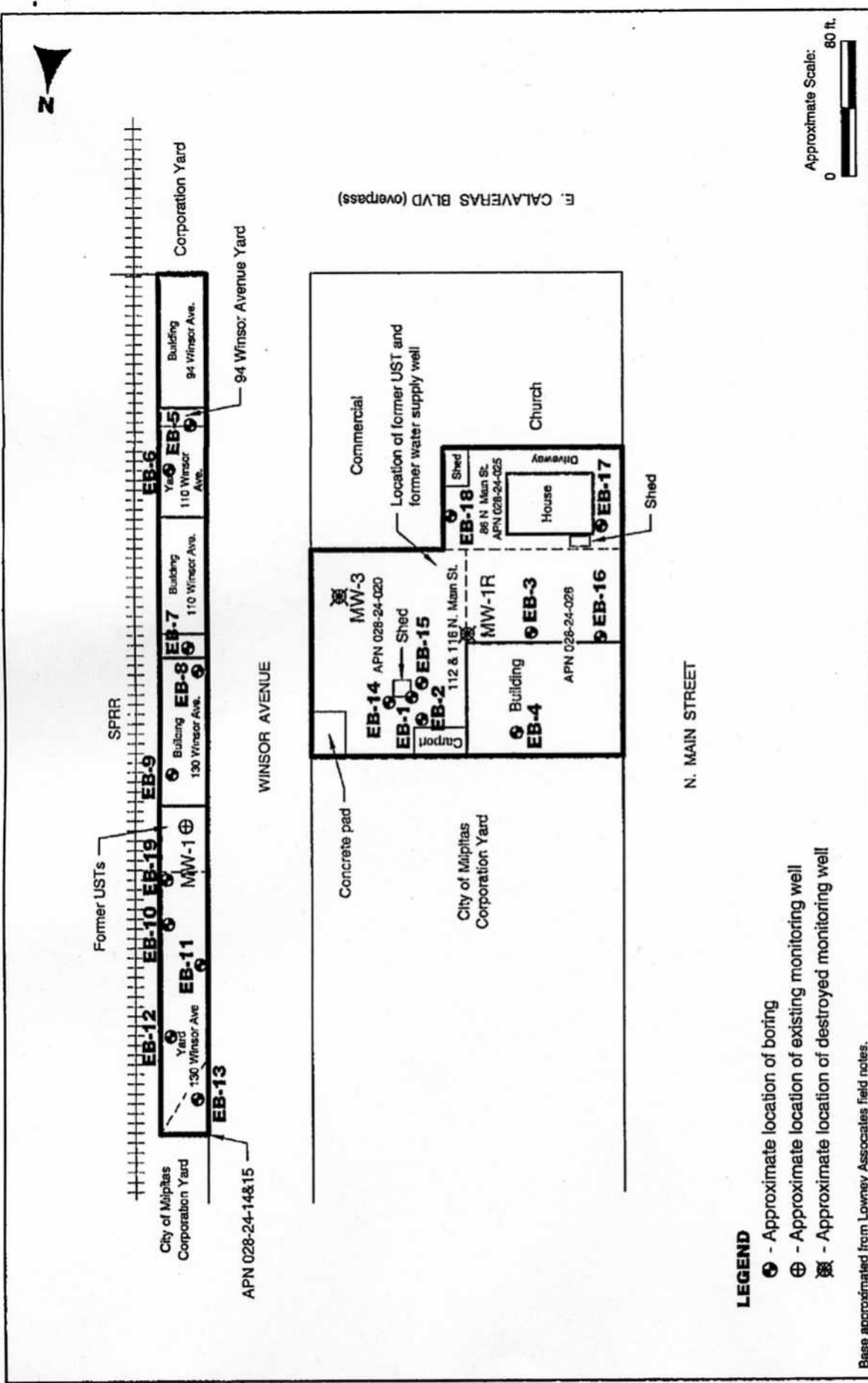
SITE PLAN



Base: Terratech, Inc, January 27, 1997

SITE PLAN		
130 Winsor Street Milpitas, California		
Project No.	Date	Figure
E-11-05A-519A	January, 2004	3

HOEXTER CONSULTING
Geology
Engineering Geology
Environmental Studies



SITE PLAN

PROPOSED MILPITAS LIBRARY EXPANSION PARCELS

Milpitas, California

ATTACHMENT B

**LABORATORY REPORT AND CHAIN OF CUSTODY DOCUMENTATION
WELL MW-1**



McC Campbell Analytical, Inc.

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Website: www.mcccampbell.com E-mail: main@mcccampbell.com

SCS Engineers 6601 Koll Center Pkwy, Ste 140 Pleasanton, CA 94566	Client Project ID: #01205098.01; City of Milpitas-130 Winsor St.	Date Sampled: 11/03/05
		Date Received: 11/03/05
	Client Contact: Steve Clements	Date Reported: 11/09/05
	Client P.O.:	Date Completed: 11/09/05

WorkOrder: 0511077

November 09, 2005

Dear Steve:

Enclosed are:

- 1). the results of 1 analyzed sample from your #01205098.01; City of Milpitas-130 Winsor St. project,
- 2). a QC report for the above sample
- 3). a copy of the chain of custody, and
- 4). a bill for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits.

If you have any questions please contact me. McC Campbell Analytical Laboratories strives for excellence in quality, service and cost. Thank you for your business and I look forward to working with you again.

Yours truly,

Angela Rydelius, Lab Manager

RECEIVED

NOV 15 2004

SCS ENGINEERS

SCS Engineers 6601 Koll Center Pkwy, Ste 140 Pleasanton, CA 94566	Client Project ID: #01205098.01; City of Milpitas-130 Winsor St.	Date Sampled: 11/03/05
		Date Received: 11/03/05
	Client Contact: Steve Clements	Date Extracted: 11/03/05
	Client P.O.:	Date Analyzed: 11/04/05

Diesel (C10-23) and Oil (C18+) Range Extractable Hydrocarbons as Diesel and Motor Oil*

Extraction method: SW3510C

Analytical methods: SW8015C

Work Order: 0511077

[illegible]

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	50	250	µg/L
	S	NA	NA	mg/Kg

* water samples are reported in µg/L, wipe samples in µg/wipe, soil/solid/sludge samples in mg/kg, product/oil/non-aqueous liquid samples in mg/L, and all DISTLC / STLC / SPLP / TCLP extracts are reported in µg/L.

cluttered chromatogram resulting in coeluted surrogate and sample peaks, or; surrogate peak is on elevated baseline, or; surrogate has been diminished by dilution of original extract.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified diesel is significant; b) diesel range compounds are significant; no recognizable pattern; c) aged diesel? is significant); d) gasoline range compounds are significant; e) unknown medium boiling point pattern that does not appear to be derived from diesel; f) one to a few isolated peaks present; g) oil range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; k) kerosene/kerosene range; l) bunker oil; m) fuel oil; n) stoddard solvent/mineral spirits; p) see Case Narrative.



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SCS Engineers

6601 Koll Center Pkwy, Ste 140

Pleasanton, CA 94566

Client Project ID: #01205098.01; City
of Milpitas-130 Winsor St.

Client Contact: Steve Clements

Client P.O.:

Date Sampled: 11/03/05

Date Received: 11/03/05

Date Extracted: 11/04/05

Date Analyzed: 11/04/05

Volatile Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B

Analytical Method: SW8260B

Work Order: 0511077

Lab ID	0511077-001B						
Client ID	MW-1						
Matrix	Water						
Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<10	2.0	5.0	Acrolein (Propenal)	ND<10	2.0	5.0
Acrylonitrile	ND<4.0	2.0	2.0	tert-Amyl methyl ether (TAME)	ND<1.0	2.0	0.5
Benzene	18	2.0	0.5	Bromobenzene	ND<1.0	2.0	0.5
Bromochloromethane	ND<1.0	2.0	0.5	Bromodichloromethane	ND<1.0	2.0	0.5
Bromoform	ND<1.0	2.0	0.5	Bromomethane	ND<1.0	2.0	0.5
2-Butanone (MEK)	ND<4.0	2.0	2.0	t-Butyl alcohol (TBA)	ND<10	2.0	5.0
n-Butyl benzene	3.0	2.0	0.5	sec-Butyl benzene	4.7	2.0	0.5
tert-Butyl benzene	1.7	2.0	0.5	Carbon Disulfide	ND<1.0	2.0	0.5
Carbon Tetrachloride	ND<1.0	2.0	0.5	Chlorobenzene	18	2.0	0.5
Chloroethane	ND<1.0	2.0	0.5	2-Chloroethyl Vinyl Ether	ND<2.0	2.0	1.0
Chloroform	ND<1.0	2.0	0.5	Chloromethane	ND<1.0	2.0	0.5
2-Chlorotoluene	ND<1.0	2.0	0.5	4-Chlorotoluene	ND<1.0	2.0	0.5
Dibromochloromethane	ND<1.0	2.0	0.5	1,2-Dibromo-3-chloropropane	ND<1.0	2.0	0.5
1,2-Dibromoethane (EDB)	ND<1.0	2.0	0.5	Dibromomethane	ND<1.0	2.0	0.5
1,2-Dichlorobenzene	ND<1.0	2.0	0.5	1,3-Dichlorobenzene	ND<1.0	2.0	0.5
1,4-Dichlorobenzene	ND<1.0	2.0	0.5	Dichlorodifluoromethane	ND<1.0	2.0	0.5
1,1-Dichloroethane	ND<1.0	2.0	0.5	1,2-Dichloroethane (1,2-DCA)	ND<1.0	2.0	0.5
1,1-Dichloroethene	ND<1.0	2.0	0.5	cis-1,2-Dichloroethene	ND<1.0	2.0	0.5
trans-1,2-Dichloroethene	ND<1.0	2.0	0.5	1,2-Dichloropropane	ND<1.0	2.0	0.5
1,3-Dichloropropane	ND<1.0	2.0	0.5	2,2-Dichloropropane	ND<1.0	2.0	0.5
1,1-Dichloropropene	ND<1.0	2.0	0.5	cis-1,3-Dichloropropene	ND<1.0	2.0	0.5
trans-1,3-Dichloropropene	ND<1.0	2.0	0.5	Diisopropyl ether (DIPE)	ND<1.0	2.0	0.5
Ethylbenzene	ND<1.0	2.0	0.5	Ethyl tert-butyl ether (ETBE)	ND<1.0	2.0	0.5
Freon 113	ND<20	2.0	10	Hexachlorobutadiene	ND<1.0	2.0	0.5
Hexachloroethane	ND<1.0	2.0	0.5	2-Hexanone	ND<1.0	2.0	0.5
Isopropylbenzene	5.1	2.0	0.5	4-Isopropyl toluene	ND<1.0	2.0	0.5
Methyl-t-butyl ether (MTBE)	3.1	2.0	0.5	Methylene chloride	ND<1.0	2.0	0.5
4-Methyl-2-pentanone (MIBK)	ND<1.0	2.0	0.5	Naphthalene	ND<1.0	2.0	0.5
Nitrobenzene	ND<20	2.0	10	n-Propyl benzene	5.1	2.0	0.5
Styrene	ND<1.0	2.0	0.5	1,1,1,2-Tetrachloroethane	ND<1.0	2.0	0.5
1,1,2,2-Tetrachloroethane	ND<1.0	2.0	0.5	Tetrachloroethene	ND<1.0	2.0	0.5
Toluene	1.4	2.0	0.5	1,2,3-Trichlorobenzene	ND<1.0	2.0	0.5
1,2,4-Trichlorobenzene	ND<1.0	2.0	0.5	1,1,1-Trichloroethane	ND<1.0	2.0	0.5
1,1,2-Trichloroethane	ND<1.0	2.0	0.5	Trichloroethene	ND<1.0	2.0	0.5
Trichlorofluoromethane	ND<1.0	2.0	0.5	1,2,3-Trichloropropane	ND<1.0	2.0	0.5
1,2,4-Trimethylbenzene	ND<1.0	2.0	0.5	1,3,5-Trimethylbenzene	ND<1.0	2.0	0.5
Vinyl Chloride	ND<1.0	2.0	0.5	Xylenes	ND<1.0	2.0	0.5

Surrogate Recoveries (%)

%SS1:	101	%SS2:	107
%SS3:	103		

Comments: h

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content/matrix interference; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative.



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Website: www.mccampbell.com E-mail: main@mccampbell.com

SCS Engineers 6601 Koll Center Pkwy, Ste 140 Pleasanton, CA 94566	Client Project ID: #01205098.01; City of Milpitas-130 Winsor St.	Date Sampled: 11/03/05
		Date Received: 11/03/05
	Client Contact: Steve Clements	Date Extracted: 11/03/05
	Client P.O.:	Date Analyzed: 11/04/05

Semi-Volatile Organics by GC/MS (Basic Target List)*

Extraction Method: SW3510C

Analytical Method: SW8270D

Work Order: 0511077

Lab ID	0511077-001A						
Client ID	MW-1						
Matrix	Water						
Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acenaphthene	ND<50	5.0	10	Acenaphthylene	ND<50	5.0	10
Acetochlor	ND<50	5.0	10	Anthracene	ND<50	5.0	10
Benidine	ND<250	5.0	50	Benzoic Acid	ND<250	5.0	50
Benzo(a)anthracene	ND<50	5.0	10	Benzo(b)fluoranthene	ND<50	5.0	10
Benzo(k)fluoranthene	ND<50	5.0	10	Benzo(g,h,i)perylene	ND<50	5.0	10
Benzo(a)pyrene	ND<50	5.0	10	Benzyl Alcohol	ND<100	5.0	20
Bis (2-chloroethoxy) Methane	ND<50	5.0	10	Bis (2-chloroethyl) Ether	ND<50	5.0	10
Bis (2-chloroisopropyl) Ether	ND<50	5.0	10	Bis (2-ethylhexyl) Adipate	ND<50	5.0	10
Bis (2-ethylhexyl) Phthalate	ND<50	5.0	10	4-Bromophenyl Phenyl Ether	ND<50	5.0	10
Butylbenzyl Phthalate	ND<50	5.0	10	4-Chloroaniline	ND<100	5.0	20
4-Chloro-3-methylphenol	ND<50	5.0	10	2-Chloronaphthalene	ND<50	5.0	10
2-Chlorophenol	ND<50	5.0	10	4-Chlorophenyl Phenyl Ether	ND<50	5.0	10
Chrysene	ND<50	5.0	10	Dibenzo(a,h)anthracene	ND<50	5.0	10
Dibenzofuran	ND<50	5.0	10	Di-n-butyl Phthalate	ND<50	5.0	10
1,2-Dichlorobenzene	ND<50	5.0	10	1,3-Dichlorobenzene	ND<50	5.0	10
1,4-Dichlorobenzene	ND<50	5.0	10	3,3-Dichlorobenzidine	ND<100	5.0	20
2,4-Dichlorophenol	ND<50	5.0	10	Diethyl Phthalate	ND<50	5.0	10
2,4-Dimethylphenol	ND<50	5.0	10	Dimethyl Phthalate	ND<50	5.0	10
4,6-Dinitro-2-methylphenol	ND<250	5.0	50	2,4-Dinitrophenol	ND<250	5.0	50
2,4-Dinitrotoluene	ND<50	5.0	10	2,6-Dinitrotoluene	ND<50	5.0	10
Di-n-octyl Phthalate	ND<50	5.0	10	1,2-Diphenylhydrazine	ND<50	5.0	10
Fluoranthene	ND<50	5.0	10	Fluorene	ND<50	5.0	10
Hexachlorobenzene	ND<50	5.0	10	Hexachlorobutadiene	ND<50	5.0	10
Hexachlorocyclopentadiene	ND<250	5.0	50	Hexachloroethane	ND<50	5.0	10
Indeno (1,2,3-cd) pyrene	ND<50	5.0	10	Isophorone	ND<50	5.0	10
2-Methylnaphthalene	ND<50	5.0	10	2-Methylphenol (o-Cresol)	ND<50	5.0	10
3 &/or 4-Methylphenol (m,p-Cresol)	ND<50	5.0	10	Naphthalene	ND<50	5.0	10
2-Nitroaniline	ND<250	5.0	50	3-Nitroaniline	ND<250	5.0	50
4-Nitroaniline	ND<250	5.0	50	Nitrobenzene	ND<250	5.0	50
2-Nitrophenol	ND<250	5.0	50	4-Nitrophenol	ND<250	5.0	50
N-Nitrosodiphenylamine	ND<50	5.0	10	N-Nitrosodi-n-propylamine	ND<50	5.0	10
Pentachlorophenol	ND<250	5.0	50	Phenanthrene	ND<50	5.0	10
Phenol	ND<50	5.0	10	Pyrene	ND<50	5.0	10
1,2,4-Trichlorobenzene	ND<50	5.0	10	2,4,5-Trichlorophenol	ND<50	5.0	10
2,4,6-Trichlorophenol	ND<50	5.0	10				

Surrogate Recoveries (%)

%SS1:	80	%SS2:	91
%SS3:	90	%SS4:	106
%SS5:	81	%SS6:	83

Comments: j,h

* water samples in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

#) surrogate diluted out of range; &) low or no surrogate due to matrix interference.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content/matrix interference; k) reporting limit raised; benzoic acid found in LCS/LCSD samples. Benzoic acid found in the method blank at a detectable concentration but under the RL for this compound.



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SCS Engineers

6601 Koll Center Pkwy, Ste 140

Pleasanton, CA 94566

Client Project ID: #01205098.01; City
of Milpitas-130 Winsor St.

Client Contact: Steve Clements

Client P.O.:

Date Sampled: 11/03/05

Date Received: 11/03/05

Date Extracted: 11/03/05

Date Analyzed: 11/04/05-11/07/05

CAM / CCR 17 Metals*

Lab ID	0511077-001C				Reporting Limit for DF =1; ND means not detected above the reporting limit
Client ID	MW-1				
Matrix	W				S W
Extraction Type	DISS.				mg/kg µg/L

ICP-MS Metals, Concentration*

Analytical Method: E200.8

Extraction Method: E200.8

Work Order: 0511077

Dilution Factor	1				1	1
Antimony	ND				NA	0.5
Arsenic	62				NA	0.5
Barium	160				NA	5.0
Beryllium	ND				NA	0.5
Cadmium	ND				NA	0.25
Chromium	ND				NA	0.5
Cobalt	ND				NA	0.5
Copper	ND				NA	0.5
Lead	ND				NA	0.5
Mercury	0.040				NA	0.012
Molybdenum	350				NA	0.5
Nickel	2.4				NA	0.5
Selenium	ND				NA	0.5
Silver	ND				NA	0.19
Thallium	0.69				NA	0.5
Vanadium	1.2				NA	0.5
Zinc	ND				NA	5.0
%SS:	N/A					

Comments

*water samples are reported in µg/L, product/oil/non-aqueous liquid samples and all TCLP / STLC / DISTLC / SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter.

means surrogate diluted out of range; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

i) aqueous sample containing greater than ~1 vol. % sediment; for DISSOLVED metals, this sample has been preserved prior to filtration; for TTLC metals, a representative sediment-water mixture was digested; j) reporting limit raised due to insufficient sample amount; k) reporting limit raised due to matrix interference; m) estimated value due to low/high surrogate recovery, caused by matrix interference; n) results are reported on a dry weight basis; p) see attached narrative.



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QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Water

QC Matrix: Water

WorkOrder: 0511077

EPA Method: SW8021B/8015Cm			Extraction: SW5030B			BatchID: 18885			Spiked Sample ID: 0511061-002B	
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
TPH(btex) £	ND	60	109	101	7.07	105	105	0	70 - 130	70 - 130
MTBE	ND	10	108	98.3	9.76	92.1	98.4	6.62	70 - 130	70 - 130
Benzene	ND	10	106	87.3	19.0	90.1	91.3	1.39	70 - 130	70 - 130
Toluene	ND	10	101	87.6	14.0	92	91.6	0.418	70 - 130	70 - 130
Ethylbenzene	ND	10	106	88	18.4	93.6	94.2	0.654	70 - 130	70 - 130
Xylenes	ND	30	96	89.7	6.82	95	95	0	70 - 130	70 - 130
%SS:	100	10	104	97	7.47	98	98	0	70 - 130	70 - 130
All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions: NONE										

BATCH 18885 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0511077-001A	11/03/05	11/05/05	11/05/05 1:21 AM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = $100 * (MS - Sample) / (Amount Spiked)$; RPD = $100 * (MS - MSD) / ((MS + MSD) / 2)$.

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

N/A = not applicable or not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.



McC Campbell Analytical, Inc.

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Website: www.mcccampbell.com E-mail: main@mcccampbell.com

QC SUMMARY REPORT FOR SW8015C

W.O. Sample Matrix: Water

QC Matrix: Water

WorkOrder: 0511077

EPA Method: SW8015C		Extraction: SW3510C			BatchID: 18894			Spiked Sample ID: N/A		
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
TPH(d)	N/A	1000	N/A	N/A	N/A	99.5	96.7	2.85	N/A	70 - 130
%SS:	N/A	2500	N/A	N/A	N/A	103	100	2.75	N/A	70 - 130
All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions: NONE										

BATCH 18894 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0511077-001A	11/03/05	11/03/05	11/04/05 2:01 AM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.


% Recovery = $100 * (MS - Sample) / (Amount\ Spiked)$; RPD = $100 * (MS - MSD) / ((MS + MSD) / 2)$.

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS Certification No. 1644

 QA/QC Officer



McC Campbell Analytical, Inc.

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QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Water

QC Matrix: Water

WorkOrder: 0511077

EPA Method: SW8260B		Extraction: SW5030B			BatchID: 18886			Spiked Sample ID: 0511061-008C		
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
tert-Amyl methyl ether (TAME)	ND	10	93.6	95.6	2.14	105	104	1.25	70 - 130	70 - 130
Benzene	ND	10	94.4	93.9	0.472	110	111	0.481	70 - 130	70 - 130
t-Butyl alcohol (TBA)	ND	50	83.4	85.6	2.61	86.5	86.5	0	70 - 130	70 - 130
Chlorobenzene	ND	10	110	110	0	101	102	0.492	70 - 130	70 - 130
1,2-Dibromoethane (EDB)	ND	10	107	106	0.254	89.1	87.4	1.92	70 - 130	70 - 130
1,2-Dichloroethane (1,2-DCA)	ND	10	96.9	98.9	2.04	105	106	1.07	70 - 130	70 - 130
1,1-Dichloroethene	ND	10	115	90.3	24.4	117	117	0	70 - 130	70 - 130
Diisopropyl ether (DIPE)	ND	10	98.2	99.3	1.11	117	120	2.45	70 - 130	70 - 130
Ethyl tert-butyl ether (ETBE)	ND	10	92.5	95	2.64	107	108	0.186	70 - 130	70 - 130
Methyl-t-butyl ether (MTBE)	ND	10	83	82.7	0.317	103	105	1.63	70 - 130	70 - 130
Toluene	ND	10	101	102	0.972	98.3	96.4	1.95	70 - 130	70 - 130
Trichloroethene	ND	10	94	93.2	0.831	101	102	0.567	70 - 130	70 - 130
%SS1:	103	10	97	98	1.58	101	102	0.670	70 - 130	70 - 130
%SS2:	93	10	101	101	0	95	95	0	70 - 130	70 - 130
%SS3:	101	10	108	107	1.51	104	105	1.29	70 - 130	70 - 130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 18886 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0511077-001B	11/03/05	11/04/05	11/04/05 4:48 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = $100 * (MS - Sample) / (Amount Spiked)$; $RPD = 100 * (MS - MSD) / ((MS + MSD) / 2)$.


MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.

DHS Certification No. 1644

 QA/QC Officer



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QC SUMMARY REPORT FOR SW8270D

W.O. Sample Matrix: Water

QC Matrix: Water

WorkOrder: 0511077

EPA Method: SW8270D		Extraction: SW3510C				BatchID: 18853			Spiked Sample ID: N/A	
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
Acenaphthene	N/A	50	N/A	N/A	N/A	109	109	0	N/A	30 - 130
4-Chloro-3-methylphenol	N/A	100	N/A	N/A	N/A	102	102	0	N/A	30 - 130
2-Chlorophenol	N/A	100	N/A	N/A	N/A	108	109	0.778	N/A	30 - 130
1,4-Dichlorobenzene	N/A	50	N/A	N/A	N/A	104	105	0.878	N/A	30 - 130
2,4-Dinitrotoluene	N/A	50	N/A	N/A	N/A	113	112	0.453	N/A	30 - 130
4-Nitrophenol	N/A	100	N/A	N/A	N/A	70.9	71.9	1.35	N/A	30 - 130
N-Nitrosodi-n-propylamine	N/A	50	N/A	N/A	N/A	117	115	1.57	N/A	30 - 130
Pentachlorophenol	N/A	100	N/A	N/A	N/A	93.7	92	1.76	N/A	30 - 130
Phenol	N/A	100	N/A	N/A	N/A	97.5	95.1	2.54	N/A	30 - 130
Pyrene	N/A	50	N/A	N/A	N/A	98	97.7	0.235	N/A	30 - 130
1,2,4-Trichlorobenzene	N/A	50	N/A	N/A	N/A	112	112	0	N/A	30 - 130
%SS1:	N/A	5000	N/A	N/A	N/A	98	94	4.26	N/A	30 - 130
%SS2:	N/A	5000	N/A	N/A	N/A	92	92	0	N/A	30 - 130
%SS3:	N/A	5000	N/A	N/A	N/A	112	113	0.682	N/A	30 - 130
%SS4:	N/A	5000	N/A	N/A	N/A	93	92	0.348	N/A	30 - 130
%SS5:	N/A	5000	N/A	N/A	N/A	101	113	11.4	N/A	30 - 130
%SS6:	N/A	5000	N/A	N/A	N/A	81	81	0	N/A	30 - 130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 18853 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0511077-001A	11/03/05	11/03/05	11/04/05 5:54 AM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = $100 * (MS - Sample) / (Amount Spiked)$; $RPD = 100 * (MS - MSD) / ((MS + MSD) / 2)$.


MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.

DHS Certification No. 1644

 QA/QC Officer



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QC SUMMARY REPORT FOR E200.8

W.O. Sample Matrix: Water

QC Matrix: Water

WorkOrder: 0511077

EPA Method: E200.8		Extraction: E200.8			BatchID: 18896			Spiked Sample ID: 0511084-006A		
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
Antimony	0.99	10	104	106	1.65	102	97.8	4.01	75 - 125	85 - 115
Arsenic	ND	10	103	105	2.41	103	97.1	5.70	75 - 125	85 - 115
Barium	26	100	99.2	102	2.06	99.9	96.3	3.66	75 - 125	85 - 115
Beryllium	ND	10	87.4	88.7	1.48	110	103	6.74	75 - 125	85 - 115
Cadmium	ND	10	95.9	98.1	2.27	101	97.3	3.63	75 - 125	85 - 115
Chromium	ND	10	98.6	102	3.59	97.9	91.9	6.32	75 - 125	85 - 115
Cobalt	ND	10	94.2	97.9	3.85	97.5	92.6	5.16	75 - 125	85 - 115
Copper	1.2	10	123	100	18.5	98.8	93.1	5.94	75 - 125	85 - 115
Lead	ND	10	95.3	98.5	3.30	98.7	95.2	3.61	75 - 125	85 - 115
Mercury	ND	0.50	104	110	5.61	108	102	5.71	75 - 125	85 - 115
Molybdenum	4.3	10	95.5	98.1	1.86	97.7	95	2.80	75 - 125	85 - 115
Nickel	1.1	10	95.3	101	5.05	104	97	6.77	75 - 125	85 - 115
Selenium	1.7	10	99.2	103	2.80	95.8	95.8	0	75 - 125	85 - 115
Silver	ND	10	95.1	97.2	2.18	97.4	98.9	1.53	75 - 125	85 - 115
Thallium	ND	10	92	91.4	0.654	99.2	95.3	4.01	75 - 125	85 - 115
Vanadium	ND	10	103	108	3.98	99	94	5.18	75 - 125	85 - 115
Zinc	7.7	100	94.6	97.8	3.08	102	99.2	2.88	75 - 125	85 - 115

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 18896 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0511077-001C	11/03/05	11/03/05	11/04/05 1:31 PM	0511077-001C	11/03/05	11/03/05	11/04/05 1:39 PM
0511077-001C	11/03/05	11/03/05	11/07/05 1:28 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.


% Recovery = $100 * (MS - Sample) / (Amount Spiked)$; RPD = $100 * (MS - MSD) / ((MS + MSD) / 2)$.

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not applicable to this method.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS Certification No. 1644

 QA/QC Officer



CHAIN-OF-CUSTODY RECORD

WorkOrder: 0511077 ClientID: SCSD EDF: NO

Report to: Steve Clements SCS Engineers 6601 Koll Center Pkwy, Ste 140 Pleasanton, CA 94566
 TEL: (925) 426-0080 FAX: (925) 426-0707
 ProjectNo: #01205098.01; City of Milpitas-130 Wins PO: 6601 Koll Center Pkwy, Ste 140 Pleasanton, CA 94566
 Bill to: Accounts Payable SCS Engineers
 Requested TAT: 5 days
 Date Received: 11/03/2005
 Date Printed: 11/03/2005

Sample ID	ClientSampleID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12

0511077-001	MW-1	Water	11/3/05	<input type="checkbox"/>	B	A	C	A								
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Test Legend:

1	8260B_W	2	8270D_W	3	CAM17(D)MS_W	4	G-MBTX_W	5	
6		7		8		9		10	
11		12							

Prepared by: Juanita Venegas

Comments:

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.

ATTACHMENT C
BORING LOGS

6601 Koll Center Parkway, Suite 140
Pleasanton, California 94568

BORING NUMBER: 014-1

Page 1 of 1

APN-28-24-014
130 Winsor Street
Milpitas, California

JOB NUMBER: 01205098.01

REMARKS:

Depth		Sample Information					Graphic Log	Description	Completion Detail
meters	feet	Sample Location	Sample Number	Blow Counts	OVM (ppm)	USCS Soil Class.			
0	0								
1	3		014-1 2.5'		0.2	CL		Fine sandy clay, some medium sand, little silt, brown, very moist, no odor.	
2	6		014-1 5.0'		28	CL		Clay, little silt, grey, very moist, medium hydrocarbon odor.	
3	10		014-1 10.0'		59	CL		Very fine sandy clay, light brownish grey, very moist, slight hydrocarbon odor.	
4	13		014-1 15.0'		24	CL		Clay, few very fine sands, light greyish brown, very moist, medium hydrocarbon odor.	
5	16								
6	20		014-1 20.0'		2.6	SM		Poor recovery. Silty very fine sand, brown, saturated, faint odor.	
7	23					SW		Fine to coarse sand, few fine gravels, saturated, faint odor.	
8	26								
9	29								
10	32								

Portland cement grout

Drilling Company: **TEG**
Drilling Method: **Direct Push, Continuous Core**
Logged By: **T. Sison**

Date Started: **12/19/05**
Date Ended: **12/19/05**
Boring Diameter: **2.5"**

Depth to Water: **19.0 '**
Total Depth: **24.0 '**

6601 Koll Center Parkway, Suite 140
Pleasanton, California 94568

BORING NUMBER: 014-2

Page 1 of 1

APN-28-24-014
130 Winsor Street
Milpitas, California

JOB NUMBER: 01205098.01

REMARKS:

Depth		Sample Information					Graphic Log	Description	Completion Detail	
meters	feet	Sample Location	Sample Number	Blow Counts	OVM (ppm)	USCS Soil Class.				
0	0							No recovery.		
1										
	5		014-2 5.0'		1.5	CL		Clay, little silt, brown, moist, faint hydrocarbon odor.		
2										
3	10		014-2 10.0'		14	CL		Clay, little silt, very few fine to medium sands, brown, moist, faint hydrocarbon odor.		
4										
	15		014-2 15.0'		11.5	SM		Silty fine sand, few medium sands, greyish brown, saturated, medium hydrocarbon odor.		
5										
6	20									
7										
	25									
8										
9	30									

Portland cement grout

Drilling Company: **TEG**
Drilling Method: **Direct Push, Continuous Core**
Logged By: **T. Sison**

Date Started: **12/19/05**
Date Ended: **12/19/05**
Boring Diameter: **2.5"**
Depth to Water: **15.0'**
Total Depth: **16.0'**

6601 Koll Center Parkway, Suite 140
Pleasanton, California 94568

BORING NUMBER: 014-3

Page 1 of 1

APN-28-24-014
130 Winsor Street
Milpitas, California

JOB NUMBER: 01205098.01

REMARKS:

Depth		Sample Information					Graphic Log	Description	Completion Detail
meters	feet	Sample Location	Sample Number	Blow Counts	OVM (ppm)	USCS Soil Class.			
0	0							No recovery.	
1									
	5		014-3 5.0'		0.3	CL		Silty clay, brown, very moist, no odor.	
2									
3	10		014-3 10.0'		8	CL		Silty clay, brown, moist, light hydrocarbon odor.	
4									
	15		014-3 15.0'		0.7	SC		Clayey fine sand, brown, wet, light hydrocarbon odor.	
5									
6	20		014-3 20.0'		2.3	SC		Clayey fine sand, brown, saturated, no odor.	
7									
	25								
8									
9	30								

Drilling Company: **TEG**

Drilling Method: **Direct Push, Continuous Core**

Logged By: **T. Sison**

Date Started: **12/19/05**

Date Ended: **12/19/05**

Boring Diameter: **2.5"**

Depth to Water: **15.0 '**

Total Depth: **20.0 '**

STANDARD LOG MILPITAS 130 WINSOR ST.GPJ STD_LOG.GDT 2/14/06

6601 Koll Center Parkway, Suite 140
Pleasanton, California 94568

BORING NUMBER: 014-4

Page 1 of 1

APN-28-24-014
130 Winsor Street
Milpitas, California

JOB NUMBER: 01205098.01

REMARKS:

Depth		Sample Information					Graphic Log	Description	Completion Detail	
meters	feet	Sample Location	Sample Number	Blow Counts	OVM (ppm)	USCS Soil Class.				
0	0							4" asphalt.	0	
1			014-4 2.5'		0.8	CL		Fine sandy clay, few medium sands, dark brown, slightly moist, no odor.		
	5		014-4 5.0'		0.4	CL		Clay, little silt, brown, medium stiff, moist, no odor.		
2										
3	10		014-4 10.0'		33	CL		Clay, little silt, brownish grey, very moist, medium hydrocarbon odor.	10	
4										
	15		014-4 15.0'		2.0	SW		Fine to medium sand, little clay, brown, wet, no odor.	15	
5										
6	20								20	
7										
	25								25	
8										
9	30									

Drilling Company: **TEG**
Drilling Method: **Direct Push, Continuous Core**
Logged By: **T. Sison**

Date Started: **12/19/05**
Date Ended: **12/19/05**
Boring Diameter: **2.5"**
Depth to Water: **13.0 '**
Total Depth: **16.0 '**

STANDARD_LOG_MILPITAS_130_WINSOR_ST.GPJ STD_LOG.GDT 2/14/06

6601 Koll Center Parkway, Suite 140
Pleasanton, California 94568

BORING NUMBER: 014-5

Page 1 of 1

APN-28-24-014
130 Winsor Street
Milpitas, California

JOB NUMBER: 01205098.01

REMARKS:

Depth		Sample Information					Graphic Log	Description	Completion Detail
meters	feet	Sample Location	Sample Number	Blow Counts	OVM (ppm)	USCS Soil Class.			
0	0							4" asphalt.	0
1								No recovery.	
	5		014-5 5.0'		0.2	CL		Clay, medium high plasticity, greyish brown, moist, no odor.	5
2									
3	10		014-5 10.0'		0.3	CL		Silty clay, brown, slightly moist, no odor.	10
4									
	15		014-5 15.0'		0.5	SM		Silty fine sand, brown, saturated, no odor.	15
5									
6	20								20
7									
	25								25
8									
9	30								

Drilling Company: **TEG**

Drilling Method: **Direct Push, Continuous Core**

Logged By: **T. Sison**

Date Started: **12/19/05**

Date Ended: **12/19/05**

Boring Diameter: **2.5"**

Depth to Water: **13.0 '**

Total Depth: **16.0 '**

STANDARD LOG MILPITAS 130 WINSOR ST.GPJ STD_LOG.GDT 2/14/06

6601 Koll Center Parkway, Suite 140
Pleasanton, California 94568

BORING NUMBER: 014-6

Page 1 of 1

APN-28-24-014
130 Winsor Street
Milpitas, California

JOB NUMBER: 01205098.01

REMARKS:

Depth		Sample Information					Graphic Log	Description	Completion Detail
meters	feet	Sample Location	Sample Number	Blow Counts	OVM (ppm)	USCS Soil Class.			
0	0							No recovery.	
1									
	5		014-6 5.0'		0.9	CL		Silty clay, moist, greyish brown, no odor.	
2									
3	10		014-6 10.0'		16	CL		Silty clay, moist, greyish brown, light hydrocarbon odor.	Portland cement grout
4									
	15		014-6 15.0'		7.5	CL		Very fine sandy clay, little silt, brown, wet, light odor.	
5									
6	20		014-6 20.0'		0.6	CL		Very fine sandy clay, little silt, brown, moist, light odor.	
7									
	25								
8									
9	30								

Drilling Company: **TEG**
Drilling Method: **Direct Push, Continuous Core**
Logged By: **T. Sison**

Date Started: **12/19/05**
Date Ended: **12/19/05**
Boring Diameter: **2.5"**
Depth to Water: **15.5 '**
Total Depth: **20.0 '**

6601 Koll Center Parkway, Suite 140
Pleasanton, California 94568

BORING NUMBER: 014-7

Page 1 of 1

APN-28-24-014
130 Winsor Street
Milpitas, California

JOB NUMBER: 01205098.01

REMARKS:

Depth		Sample Information					Graphic Log	Description	Completion Detail
meters	feet	Sample Location	Sample Number	Blow Counts	OVM (ppm)	USCS Soil Class.			
0	0							4" concrete.	
1								No recovery.	
	5		014-7 5.0'		0.6	CL		Silty clay, medium stiff, greyish brown, moist, no odor.	
2									
3	10		014-7 10.0'		27	CL		Silty clay, medium stiff, greyish brown, moist, light hydrocarbon odor.	
4									
	15		014-7 15.0'		1.2	CL		Silty clay, medium stiff, greyish brown, moist, no odor.	
5									
6	20		014-7 20.0'		1.0	CL		Silty clay, medium stiff, greyish brown, very moist, no odor.	
7									
	25					SM		Very fine sandy silt, 50:50, brown, saturated, no odor.	
8									
9	30								

Portland cement grout

Drilling Company: **TEG**
Drilling Method: **Direct Push, Continuous Core**
Logged By: **T. Sison**

Date Started: **12/19/05**
Date Ended: **12/19/05**
Boring Diameter: **2.5"**
Depth to Water: **21.0 '**
Total Depth: **24.0 '**

6601 Koll Center Parkway, Suite 140
Pleasanton, California 94568

BORING NUMBER: 014-8

Page 1 of 1

APN-28-24-014
130 Winsor Street
Milpitas, California

JOB NUMBER: 01205098.01

REMARKS:

Depth		Sample Information					Graphic Log	Description	Completion Detail
meters	feet	Sample Location	Sample Number	Blow Counts	OVM (ppm)	USCS Soil Class.			
0	0								
1	3		014-8 2.5'		0.8	CL		Very fine sandy clay, few medium to coarse sands, very few fine gravels, dark brown, slightly moist, no odor.	
2	6		014-8 5.0'		0.7	CL		Silty clay, medium plasticity, dark brown, moist, no odor.	
3	10		014-8 10.0'		0.8	CL		Silty clay, medium plasticity, dark brown, moist, no odor.	
4	13		014-8 15.0'		0.6	SC		Clayey very fine sand, brown, wet, no odor.	
5	16								
6	19								
7	22								
8	25								
9	28								
10	31								

Portland cement grout

Drilling Company: **TEG**
Drilling Method: **Direct Push, Continuous Core**
Logged By: **T. Sison**

Date Started: **12/20/05**
Date Ended: **12/20/05**
Boring Diameter: **2.5"**

Depth to Water: **16.0 '**
Total Depth: **16.0 '**

6601 Koll Center Parkway, Suite 140
Pleasanton, California 94568

BORING NUMBER: 014-9

Page 1 of 1

APN-28-24-014
130 Winsor Street
Milpitas, California

JOB NUMBER: 01205098.01

REMARKS:

Depth		Sample Information					Graphic Log	Description	Completion Detail
meters	feet	Sample Location	Sample Number	Blow Counts	OVM (ppm)	USCS Soil Class.			
0	0							4" asphalt.	
1								No recovery.	
5	5		014-9 5.0'		0.7	CL		Clay, little silt, few fine sands, dark brown, moist, no odor.	
10	10		014-9 10.0'		0.6	CL		Medium stiff clay, brown, moist, no odor.	
15	15		014-9 15.0'		1.3	SM		Silty very fine sand, brown, wet, no odor.	
20	20		014-9 20.0'		0.5	SM		Silty very fine sand, brown, wet, no odor.	
25									
30									

Drilling Company: **TEG**

Drilling Method: **Direct Push, Continuous Core**

Logged By: **T. Sison**

Date Started: **12/20/05**

Date Ended: **12/20/05**

Boring Diameter: **2.5"**

Depth to Water: **15.0 '**

Total Depth: **20.0 '**

STANDARD_LOG_MILPITAS_130_WINSOR_ST.GPJ STD_LOG.GDT 2/14/06

6601 Koll Center Parkway, Suite 140
Pleasanton, California 94568

BORING NUMBER: 014-10

Page 1 of 1

APN-28-24-014
130 Winsor Street
Milpitas, California

JOB NUMBER: 01205098.01

REMARKS:

Depth		Sample Information					Graphic Log	Description	Completion Detail
meters	feet	Sample Location	Sample Number	Blow Counts	OVM (ppm)	USCS Soil Class.			
0	0		014-10 0.0'-0.5'					4" concrete. Poor recovery, not enough for head space analysis or soil classification.	
1	5		014-10 5.0'		2.5	CL		Silty clay, dark brown, very moist, no odor.	Portland cement grout
2									
3	10		014-10 10.0'		0.2	CL		Clay, medium plasticity, dark brown, very moist, no odor.	
4									
5	15								
6	20								
7									
8	25								
9									
10	30								

Drilling Company: **TEG**

Drilling Method: **Direct Push, Continuous Core**

Logged By: **T. Sison**

Date Started: **12/20/05**

Date Ended: **12/20/05**

Boring Diameter: **2.5"**

Total Depth: **10.0'**

6601 Koll Center Parkway, Suite 140
Pleasanton, California 94568

BORING NUMBER: 014-11

Page 1 of 1

APN-28-24-014
130 Winsor Street
Milpitas, California

JOB NUMBER: 01205098.01

REMARKS:

Depth		Sample Information					Graphic Log	Description	Completion Detail	
meters	feet	Sample Location	Sample Number	Blow Counts	OVM (ppm)	USCS Soil Class.				
0	0							4" asphalt.	0	
1	3		014-11 2.5'		0.8	CL		Silty clay, dark brown, slightly moist, no odor.		
2	6		014-11 5.0'		1.1	CL		Silty clay, dark brown, slightly moist, no odor.		
3	10		014-11 10.0'		1.2	CL		Very fine sandy clay, brown, very moist, no odor.		
4	13		014-11 15.0'		1.0	SW		Fine to medium sand, little clay, brown, saturated, no odor.		
5	16									
6	19									
7	22									
8	25									
9	28									
	30									

Drilling Company: **TEG**
Drilling Method: **Direct Push, Continuous Core**
Logged By: **T. Sison**

Date Started: **12/20/05**
Date Ended: **12/20/05**
Boring Diameter: **2.5"**
Depth to Water: **15.0'**
Total Depth: **16.0'**

STANDARD LOG MILPITAS 130 WINSOR ST.GPJ STD_LOG.GDT 2/14/06

6601 Koll Center Parkway, Suite 140
Pleasanton, California 94568

BORING NUMBER: 014-12

Page 1 of 1

APN-28-24-014
130 Winsor Street
Milpitas, California

JOB NUMBER: 01205098.01

REMARKS:

Depth		Sample Information					Graphic Log	Description	Completion Detail
meters	feet	Sample Location	Sample Number	Blow Counts	OVM (ppm)	USCS Soil Class.			
0	0							4" asphalt.	
1								Poor recovery, no sample.	
	5		014-12 5.0'		1.2	CL		Silty clay, medium stiff, dark brown, moist, no odor.	
2									
3	10		014-12 10.0'		1.2	CL		Silty clay, medium stiff, brown, moist, no odor.	
4									
	15		014-12 15.0'		1.3	ML		Clayey silt, brown, very moist, no odor.	
5									
6	20		014-12 20.0'		1.7	CL		Stiff clay, brown, slightly moist, no odor.	
7									
	25								
8									
9	30								

Portland cement grout

Drilling Company: **TEG**
Drilling Method: **Direct Push, Continuous Core**
Logged By: **T. Sison**

Date Started: **12/20/05**
Date Ended: **12/20/05**
Boring Diameter: **2.5"**

Depth to Water: **16.0 '**
Total Depth: **24.0 '**

6601 Koll Center Parkway, Suite 140
Pleasanton, California 94568

BORING NUMBER: 014-13

Page 1 of 1

APN-28-24-014
130 Winsor Street
Milpitas, California

JOB NUMBER: 01205098.01

REMARKS:

Depth		Sample Information					Graphic Log	Description	Completion Detail
meters	feet	Sample Location	Sample Number	Blow Counts	OVM (ppm)	USCS Soil Class.			
0	0							4" asphalt.	
1								Poor recovery, no sample.	
	5		014-13 5.0'		0.5	CL		Silty clay, brown, moist, no odor.	
2									
3	10		014-13 10.0'		1.4	CL		Silty clay, brown, moist, no odor.	
4									
	15		014-13 15.0'		1.5	ML		Clayey silt, few fine to medium sands, very moist/wet, no odor.	
5									
6	20		014-13 20.0'		1.3	SM		Silty fine sand, few medium sands, brown, wet, no odor.	
7									
	25								
8									
9	30								

Drilling Company: **TEG**

Drilling Method: **Direct Push, Continuous Core**

Logged By: **T. Sison**

Date Started: **12/20/05**

Date Ended: **12/20/05**

Boring Diameter: **2.5"**

Total Depth: **20.0'**

STANDARD_LOG_MILPITAS_130_WINSOR_ST.GPJ STD_LOG.GDT 2/14/06

ATTACHMENT D

**LABORATORY REPORTS AND CHAIN OF CUSTODY DOCUMENTATION
BORINGS**



McC Campbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mcccampbell.com E-mail: main@mcccampbell.com

SCS Engineers 6601 Koll Center Pkwy, Ste 140 Pleasanton, CA 94566	Client Project ID: #01205098.01; 130 Winsor St	Date Sampled: 12/19/05
		Date Received: 12/21/05
	Client Contact: Steve Clements	Date Reported: 12/27/05
	Client P.O.:	Date Completed: 12/27/05

WorkOrder: 0512370

December 27, 2005

Dear Steve:

Enclosed are:

- 1). the results of 18 analyzed samples from your #01205098.01; 130 Winsor St project,
- 2). a QC report for the above samples
- 3). a copy of the chain of custody, and
- 4). a bill for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits.

If you have any questions please contact me. McC Campbell Analytical Laboratories strives for excellence in quality, service and cost. Thank you for your business and I look forward to working with you again.

Best regards,

Angela Rydelius, Lab Manager

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JAN 03 2005
SCS ENGINEERS



McC Campbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mcccampbell.com E-mail: main@mcccampbell.com

SCS Engineers 6601 Koll Center Pkwy, Ste 140 Pleasanton, CA 94566	Client Project ID: #01205098.01; 130 Winsor St	Date Sampled: 12/19/05-12/20/05
	Client Contact: Steve Clements	Date Received: 12/21/05
	Client P.O.:	Date Extracted: 12/21/05
		Date Analyzed: 12/21/05-12/22/05

Volatile Hydrocarbons as Benzene*

Extraction method: SW5030B

Analytical methods: SW8021B

Work Order: 0512370

Lab ID	Client ID	Matrix	Benzene	DF	% SS
002A	014-13,10.0'	S	ND	1	98
003A	014-13,15.0'	S	ND	1	102
006A	014-9,10.0'	S	ND	1	116
007A	014-9,15.0'	S	ND	1	104
011A	014-8, 10.0'	S	ND	1	101
012A	014-8,15.0'	S	ND	1	103
013A	014-5,5.0'	S	ND	1	98
015A	014-5,15.0'	S	ND	1	114
017A	014-6,15.0'	S	ND	1	113
019A	014-7,5.0'	S	ND	1	109
020A	014-7,15.0'	S	ND	1	116
041A	014-12,10.0'	S	ND	1	117
042A	014-12,15.0'	S	ND	1	116

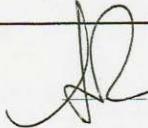
Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA
	S	0.005	mg/Kg

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

cluttered chromatogram; sample peak coelutes with surrogate peak.

+The following descriptions of the TPH chromatogram are cursory in nature and McC Campbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (stoddard solvent / mineral spirit?); f) one to a few isolated non-target peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) reporting limit raised due to high MTBE content; k) TPH pattern that does not appear to be derived from gasoline (aviation gas). m) no recognizable pattern; n) TPH(g) range non-target isolated peaks subtracted out of the TPH(g) concentration at the client's request.

DHS Certification No. 1644

 Angela Rydelius, Lab Manager

SCS Engineers 6601 Koll Center Pkwy, Ste 140 Pleasanton, CA 94566	Client Project ID: #01205098.01; 130 Winsor St	Date Sampled: 12/19/05
		Date Received: 12/21/05
	Client Contact: Steve Clements	Date Extracted: 12/21/05
	Client P.O.:	Date Analyzed: 12/21/05-12/23/05

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE*

Extraction method: SW5030B

Analytical methods: SW8021B/8015Cm

Work Order: 0512370

[illegible]

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA	NA	NA	NA	NA	1	ug/L
	S	1.0	0.05	0.005	0.005	0.005	0.005	1	mg/Kg

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

cluttered chromatogram; sample peak coelutes with surrogate peak.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (stoddard solvent / mineral spirit?); f) one to a few isolated non-target peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) reporting limit raised due to high MTBE content; k) TPH pattern that does not appear to be derived from gasoline (aviation gas). m) no recognizable pattern; n) TPH(g) range non-target isolated peaks subtracted out of the TPH(g) concentration at the client's request.



McC Campbell Analytical, Inc.

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Website: www.mcccampbell.com E-mail: main@mcccampbell.com

SCS Engineers 6601 Koll Center Pkwy, Ste 140 Pleasanton, CA 94566	Client Project ID: #01205098.01; 130 Winsor St	Date Sampled: 12/19/05-12/20/05
	Client Contact: Steve Clements	Date Received: 12/21/05
	Client P.O.:	Date Extracted: 12/21/05
		Date Analyzed: 12/22/05-12/23/05

Oil Range (C18+) Extractable Hydrocarbons as Motor Oil*

Extraction method: SW3550C

Analytical methods: SW8015C

Work Order: 0512370

Lab ID	Client ID	Matrix	TPH(mo)	DF	% SS
0512370-002A	014-13,10.0'	S	ND	1	88
0512370-003A	014-13,15.0'	S	ND	1	87
0512370-011A	014-8, 10.0'	S	15,g	1	105
0512370-012A	014-8,15.0'	S	ND	1	102
0512370-013A	014-5,5.0'	S	ND	1	104
0512370-015A	014-5,15.0'	S	ND	1	99
0512370-017A	014-6,15.0'	S	9.1,g,n	1	99
0512370-041A	014-12,10.0'	S	ND	1	87
0512370-042A	014-12,15.0'	S	ND	1	88

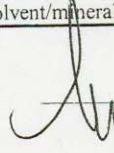
Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA
	S	5.0	mg/Kg

* water samples are reported in µg/L, wipe samples in µg/wipe, soil/solid/sludge samples in mg/kg, product/oil/non-aqueous liquid samples in mg/L, and all DISTLC / STLC / SPLP / TCLP extracts are reported in µg/L.

cluttered chromatogram resulting in coeluted surrogate and sample peaks, or; surrogate peak is on elevated baseline, or; surrogate has been diminished by dilution of original extract.

+The following descriptions of the TPH chromatogram are cursory in nature and McC Campbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified diesel is significant; b) diesel range compounds are significant; no recognizable pattern; c) aged diesel? is significant; d) gasoline range compounds are significant; e) unknown medium boiling point pattern that does not appear to be derived from diesel; f) one to a few isolated peaks present; g) oil range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; k) kerosene/kerosene range; l) bunker oil; m) fuel oil; n) stoddard solvent/mineral spirit.

DHS Certification No. 1644

 Angela Rydelius, Lab Manager

SCS Engineers 6601 Koll Center Pkwy, Ste 140 Pleasanton, CA 94566	Client Project ID: #01205098.01; 130 Winsor St	Date Sampled: 12/19/05
		Date Received: 12/21/05
	Client Contact: Steve Clements	Date Extracted: 12/21/05
	Client P.O.:	Date Analyzed: 12/22/05

Diesel (C10-23) and Oil (C18+) Range Extractable Hydrocarbons as Diesel and Motor Oil*

Extraction method: SW3550C

Analytical methods: SW8015C

Work Order: 0512370

[illegible]

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA	ug/L
	S	1.0	5.0	mg/Kg

* water samples are reported in µg/L, wipe samples in µg/wipe, soil/solid/sludge samples in mg/kg, product/oil/non-aqueous liquid samples in mg/L, and all DISTLC / STLC / SPLP / TCLP extracts are reported in µg/L.

cluttered chromatogram resulting in coeluted surrogate and sample peaks, or; surrogate peak is on elevated baseline, or; surrogate has been diminished by dilution of original extract.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified diesel is significant; b) diesel range compounds are significant; no recognizable pattern; c) aged diesel? is significant; d) gasoline range compounds are significant; e) unknown medium boiling point pattern that does not appear to be derived from diesel (asphalt?); f) one to a few isolated peaks present; g) oil range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; k) kerosene/kerosene range/jet fuel; l) bunker oil; m) fuel oil; n) stoddard solvent/mineral spirit.



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QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Soil

QC Matrix: Soil

WorkOrder: 0512370

EPA Method: SW8021B/8015Cm			Extraction: SW5030B			BatchID: 19567			Spiked Sample ID: 0512370-042A	
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
TPH(btex) [£]	ND	0.60	108	109	1.29	108	106	2.46	70 - 130	70 - 130
MTBE	ND	0.10	99.5	87.7	12.6	101	85.6	16.8	70 - 130	70 - 130
Benzene	ND	0.10	101	95	5.98	99.3	99.5	0.268	70 - 130	70 - 130
Toluene	ND	0.10	94.7	94.8	0.0735	95.5	81.4	15.9	70 - 130	70 - 130
Ethylbenzene	ND	0.10	100	95.4	4.69	97.5	101	3.88	70 - 130	70 - 130
Xylenes	ND	0.30	90.7	86.3	4.90	89.7	91.3	1.84	70 - 130	70 - 130
%SS:	116	0.10	96	88	9.03	92	96	3.72	70 - 130	70 - 130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 19567 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0512370-002A	12/20/05	12/21/05	12/22/05 2:04 AM	0512370-003A	12/20/05	12/21/05	12/22/05 3:04 AM
0512370-006A	12/20/05	12/21/05	12/22/05 3:09 AM	0512370-007A	12/20/05	12/21/05	12/22/05 4:05 AM
0512370-011A	12/20/05	12/21/05	12/22/05 5:05 AM	0512370-012A	12/20/05	12/21/05	12/22/05 5:35 AM
0512370-013A	12/19/05	12/21/05	12/22/05 6:35 AM	0512370-015A	12/19/05	12/21/05	12/22/05 7:05 AM
0512370-017A	12/19/05	12/21/05	12/22/05 7:36 AM	0512370-019A	12/19/05	12/21/05	12/22/05 8:06 AM
0512370-020A	12/19/05	12/21/05	12/21/05 9:29 PM	0512370-023A	12/19/05	12/21/05	12/22/05 9:15 PM
0512370-026A	12/19/05	12/21/05	12/21/05 11:45 PM	0512370-030A	12/19/05	12/21/05	12/22/05 8:06 PM
0512370-031A	12/19/05	12/21/05	12/22/05 12:53 AM	0512370-039A	12/19/05	12/21/05	12/23/05 12:05 AM
0512370-041A	12/20/05	12/21/05	12/22/05 1:27 AM	0512370-042A	12/20/05	12/21/05	12/22/05 2:35 AM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = $100 * (MS - Sample) / (Amount Spiked)$; RPD = $100 * (MS - MSD) / ((MS + MSD) / 2)$.

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.



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QC SUMMARY REPORT FOR SW8015C

W.O. Sample Matrix: Soil

QC Matrix: Soil

WorkOrder: 0512370

EPA Method: SW8015C		Extraction: SW3550C			BatchID: 19548			Spiked Sample ID: 0512370-041A		
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
TPH(d)	ND	20	95.8	96.3	0.500	93	93.7	0.801	70 - 130	70 - 130
%SS:	87	50	98	99	0.252	98	99	0.740	70 - 130	70 - 130
All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions: NONE										

BATCH 19548 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0512370-002A	12/20/05	12/21/05	12/22/05 9:06 AM	0512370-003A	12/20/05	12/21/05	12/22/05 7:58 AM
0512370-011A	12/20/05	12/21/05	12/23/05 7:22 AM	0512370-012A	12/20/05	12/21/05	12/22/05 6:28 AM
0512370-013A	12/19/05	12/21/05	12/22/05 5:19 AM	0512370-015A	12/19/05	12/21/05	12/22/05 8:49 AM
0512370-017A	12/19/05	12/21/05	12/22/05 7:38 AM	0512370-023A	12/19/05	12/21/05	12/22/05 6:28 AM
0512370-026A	12/19/05	12/21/05	12/22/05 5:19 AM	0512370-030A	12/19/05	12/21/05	12/22/05 9:06 AM
0512370-031A	12/19/05	12/21/05	12/22/05 6:49 AM	0512370-039A	12/19/05	12/21/05	12/22/05 7:58 AM
0512370-041A	12/20/05	12/21/05	12/22/05 6:49 AM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.


% Recovery = $100 * (MS - Sample) / (Amount Spiked)$; RPD = $100 * (MS - MSD) / ((MS + MSD) / 2)$.

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS Certification No. 1644

 QA/QC Officer



McC Campbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mcccampbell.com E-mail: main@mcccampbell.com

QC SUMMARY REPORT FOR SW8015C

W.O. Sample Matrix: Soil

QC Matrix: Soil

WorkOrder: 0512370

EPA Method: SW8015C		Extraction: SW3550C			BatchID: 19566			Spiked Sample ID: 0512370-042A		
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
TPH(d)	ND	20	94	91	3.23	102	100	1.86	70 - 130	70 - 130
%SS:	88	50	99	97	1.82	101	100	0.477	70 - 130	70 - 130
All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions: NONE										

BATCH 19566 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0512370-042A	12/20/05	12/21/05	12/22/05 5:41 AM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.


% Recovery = $100 * (MS - Sample) / (Amount Spiked)$; RPD = $100 * (MS - MSD) / ((MS + MSD) / 2)$.

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS Certification No. 1644

 QA/QC Officer

0512370

CHAIN OF CUSTODY RECORD

SCS ENGINEERS Environmental Consultants

6601 Koll Center Parkway
Suite 140
Pleasanton, CA 94566

925 426-0080
FAX 925 426-0707
www.scsengineers.com

TOTAL NUMBER OF SAMPLES: 43

PAGE 1 OF 3

TURNAROUND TIME REQUIRED: *Normal*
5-Day 3-Day Immediate Other

PROJECT MANAGER: *S. Clements*

W.O. / S.O. #:

PROJECT NUMBER: 01205098.01

PROJECT NAME: 130 Winsor St.

PROJECT LOCATION: *(APN 28-24-014) Milpitas, CA*SAMPLER NAME AND SIGNATURE: *TED SISON*

I.D. NUMBER	SAMPLE DESIGNATION	SAMPLE MATRIX	DATE/TIME COLLECTED	CONTAINER SIZE/TYPE	SAMPLE PRESERVATIVE	SPECIAL INSTRUCTIONS/COMMENTS
	014-13, 5.0'	Soil	12/20/05	Acetate Sleeve	n/a	
	014-13, 10.0'					
	014-13, 15.0'					
	014-13, 20.0'					
	014-9, 5.0'					
	014-9, 10.0'					
	014-9, 15.0'					
	014-9, 20.0'					
	014-8, 2.5'					
	014-8, 5.0'					
	014-8, 10.0'					
	014-8, 15.0'					
	014-5, 5.0'		12/19/05			
	014-5, 10.0'					
	014-5, 15.0'					

NOTES:

Samples off HOLD 12/21/05, sd

SAMPLE CONDITION UPON RECEIPT:

RELINQUISHED BY: <i>[Signature]</i>	DATE: 12-21-05	RECEIVED BY: <i>[Signature]</i>	DATE: 12/21/05
COMPANY: SCS	TIME: 8:15	COMPANY: NAI	TIME: 8:15

ANALYSES REQUESTED	LAB USE ONLY
BTEX/MTBE 8260	
TPH-g	
TPH-d	
TPH-mc	
BTEX (8020)	
Archive	
Benzene (8020)	

CHAIN OF CUSTODY RECORD

SCS ENGINEERS Environmental Consultants

6601 Koll Center Parkway
Suite 140
Pleasanton, CA 94566
925 426-0080
FAX 925 426-0707
www.scsengineers.com

TOTAL NUMBER OF SAMPLES: 43

PAGE 3 OF 3

TURNAROUND TIME REQUIRED: Normal
5-Day 3-Day Immediate Other

PROJECT MANAGER: S. Clements

W.O. / S.O. #:

PROJECT NUMBER: 01205098.01

PROJECT NAME: CAPN-28-24-014

PROJECT LOCATION: 130 Winsor St. Milpitas, CA

SAMPLER NAME AND SIGNATURE: TED SISON

I.D. NUMBER	SAMPLE DESIGNATION	SAMPLE MATRIX	DATE/TIME COLLECTED	CONTAINER SIZE/TYPE	SAMPLE PRESERVATIVE	SPECIAL INSTRUCTIONS/COMMENTS
014-3, 15.0'	Soil	Acetate Sleeve	12/19/05	n/a		
014-3, 20.0'			12/26/05			
014-11, 2.5'						
014-11, 5.0'						
014-11, 10.0'						
014-11, 15.0'			12/19/05			
014-4, 2.5'						
014-4, 5.0'						
014-4, 10.0'			12/20/05			
014-12, 5.0'						
014-12, 10.0'						
014-12, 15.0'						
014-12, 20.0'						

NOTES:

SAMPLE CONDITION UPON RECEIPT:

RELINQUISHED BY: <i>[Signature]</i>	DATE: 12-21-05	RECEIVED BY: <i>[Signature]</i>	DATE: 12/21/05
COMPANY: SCS	TIME: 8:15	COMPANY: MPAI	TIME: 8:15 am

ANALYSES REQUESTED	LAB USE ONLY
BTEX/MTBE 8260B	
TPH-9	
TPH-d	
TPH-mo	
BTEX (8020)	
Archival	
Benzene (8020)	

McC Campbell Analytical, Inc.

110 Second Avenue South, #D7
Pacheco, CA 94553-5560
(925) 798-1620



CHAIN-OF-CUSTODY RECORD

Page 1 of 1

WorkOrder: 0512370 ClientID: SCSD EDF: NO

Report to:

Steve Clements
SCS Engineers
6601 Koll Center Pkwy, Ste 140
Pleasanton, CA 94566

TEL: (925) 426-0080
FAX: (925) 426-0707
ProjectNo: #01205098.01; 130 Winsor St
PO:

Bill to:

Accounts Payable
SCS Engineers
6601 Koll Center Pkwy, Ste 140
Pleasanton, CA 94566

Requested TAT: 5 days

Date Received: 12/21/2005
Date Printed: 12/21/2005

Sample ID	ClientSampleID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12

0512370-002	014-13,10.0'	Soil	12/20/05	<input type="checkbox"/>	A		A									
0512370-003	014-13,15.0'	Soil	12/20/05	<input type="checkbox"/>	A		A									
0512370-006	014-9,10.0'	Soil	12/20/05	<input type="checkbox"/>	A											
0512370-007	014-9,15.0'	Soil	12/20/05	<input type="checkbox"/>	A											
0512370-011	014-8,10.0'	Soil	12/20/05	<input type="checkbox"/>	A		A									
0512370-012	014-8,15.0'	Soil	12/20/05	<input type="checkbox"/>	A		A									
0512370-013	014-5,5.0'	Soil	12/19/05	<input type="checkbox"/>	A		A									
0512370-015	014-5,15.0'	Soil	12/19/05	<input type="checkbox"/>	A		A									
0512370-017	014-6,15.0'	Soil	12/19/05	<input type="checkbox"/>	A		A									
0512370-019	014-7,5.0'	Soil	12/19/05	<input type="checkbox"/>	A											
0512370-020	014-7,15.0'	Soil	12/19/05	<input type="checkbox"/>	A											
0512370-023	014-1,10.0'	Soil	12/19/05	<input type="checkbox"/>	A	A										
0512370-026	014-2,10.0'	Soil	12/19/05	<input type="checkbox"/>	A	A										
0512370-030	014-3,10.0'	Soil	12/19/05	<input type="checkbox"/>	A	A										
0512370-031	014-3,15.0'	Soil	12/19/05	<input type="checkbox"/>	A	A										

Test Legend:

1	G-MBTX_S	2	TPH(DMO)_S	3	TPH(MO)_S	4	5
6		7		8		9	10
11		12					

Prepared by: Juanita Venegas

Comments:

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.

McCampbell Analytical, Inc.

110 Second Avenue South, #D7
Pacheco, CA 94553-5560
(925) 798-1620



CHAIN-OF-CUSTODY RECORD

WorkOrder: 0512370 ClientID: SCSD EDF: NO

Report to:

Steve Clements
SCS Engineers
6601 Koll Center Pkwy, Ste 140
Pleasanton, CA 94566

TEL: (925) 426-0080
FAX: (925) 426-0707
ProjectNo: #01205098.01; 130 Winsor St
PO: 6601 Koll Center Pkwy, Ste 140
Pleasanton, CA 94566

Bill to:

Accounts Payable
SCS Engineers
6601 Koll Center Pkwy, Ste 140
Pleasanton, CA 94566

Requested TAT: 5 days

Date Received: 12/21/2005
Date Printed: 12/21/2005

Sample ID	ClientSampleID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12

0512370-039	014-4,10.0'	Soil	12/19/05	<input type="checkbox"/>	A	A										
0512370-041	014-12,10.0'	Soil	12/20/05	<input type="checkbox"/>	A		A									
0512370-042	014-12,15.0'	Soil	12/20/05	<input type="checkbox"/>	A		A									

Test Legend:

1	G-MBTX_S	2	TPH(DMO)_S	3	TPH(MO)_S	4	5
6		7		8		9	10
11		12					

Prepared by: Juanita Venegas

Comments:

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.



13 January 2006

Mr. Steve Clements
SCS Engineers
6601 Koll Center Parkway, Suite 140
Pleasanton, CA 94566

**SUBJECT: DATA REPORT - SCS Engineers Project #01205098.01
130 Winsor Street, Milpitas, California**

TEG Project # 51219E

Mr Clements:

Please find enclosed a data report for the samples analyzed from the above referenced project for SCS Engineers. The samples were analyzed on site in TEG's DHS certified mobile laboratory (#2012). TEG conducted a total of 40 analyses on 7 soil and 12 water samples.

- 7 analyses on soils for aromatic volatile hydrocarbons (BTEX), the fuel oxygenate MTBE, and total petroleum hydrocarbons-gasoline by EPA method 8260B.
- 7 analyses on soils for total petroleum hydrocarbons-diesel & motor oil by EPA method mod8015.
- 13 analyses on waters for aromatic volatile hydrocarbons (BTEX), the fuel oxygenate MTBE, and total petroleum hydrocarbons-gasoline by EPA method 8260B.
- 13 analyses on waters for total petroleum hydrocarbons-diesel & motor oil by EPA method mod8015.

The results of the analyses are summarized in the enclosed tables. Applicable detection limits and QA/QC data are included in the tables.

TEG appreciates the opportunity to have provided analytical services to SCS Engineers on this project. If you have any further questions relating to these data or report, please do not hesitate to contact us.

Sincerely,

Mark Jerpbak
Director, TEG-Northern California



SCS Engineers Project #01205098.01
130 Winsor Street
Milpitas, California

TEG Project #51219E

BTEX, MTBE, & TPH-g (EPA method 8260B) & TPH-d & m.o. (EPA method 8015m) Analyses of WATER

SAMPLE NUMBER:			Blank	Blank	014-1	014-2	014-3	014-4
COLLECTION DATE:					12/19/05	12/19/05	12/19/05	12/19/05
ANALYSIS DATE:			12/19/05	12/20/05	12/19/05	12/19/05	12/19/05	12/19/05
DILUTION FACTOR:			1	1	1	1	1	1
			RL					
Benzene	(ug/L)	0.5	nd	nd	nd	1.1	nd	19
Toluene	(ug/L)	0.5	nd	nd	nd	nd	nd	0.80
Ethylbenzene	(ug/L)	0.5	nd	nd	nd	nd	nd	nd
Total Xylenes	(ug/L)	0.5	nd	nd	nd	nd	nd	0.81
Methyl-t-butyl ether (MTBE)	(ug/L)	0.5	nd	nd	nd	nd	nd	51
TPH-gasoline range (C5-C11)	(ug/L)	50	nd	nd	61	240	nd	910
TPH-diesel range (C12-C24)	(ug/L)	50	nd	nd	nd	70	82	430
TPH-Motor Oil range (C25-C30)	(ug/L)	250	nd	nd	nd	2200	nd	nd
Surrogate Recovery:								
	DBFM		86%	86%	85%	83%	82%	82%
	Toluene-d8		93%	93%	90%	89%	91%	91%
	1,4-BFB		82%	85%	81%	81%	82%	81%

'nd' INDICATES NOT DETECTED AT LISTED REPORTING LIMITS

'RL' INDICATES REPORTING LIMITS at a Dilution Factor of 1

ANALYSES PERFORMED IN TEG-Northern California's DHS CERTIFIED LAB

ANALYSES PERFORMED BY: Mr. Leif Jonsson

DATA REVIEWED BY: Mr. Henry Wilkinson

page 1



SCS Engineers Project #01205098.01
130 Winsor Street
Milpitas, California

TEG Project #51219E

BTEX, MTBE, & TPH-g (EPA method 8260B) & TPH-d & m.o. (EPA method 8015m) Analyses of WATER

SAMPLE NUMBER:			014-5	014-6	014-7	014-8	014-9	014-11
COLLECTION DATE:			12/19/05	12/20/05	12/19/05	12/20/05	12/20/05	12/20/05
ANALYSIS DATE:			12/19/05	12/20/05	12/19/05	12/20/05	12/20/05	12/20/05
DILUTION FACTOR:			1	1	1	1	1	1
RL								
Benzene	(ug/L)	0.5	nd	0.83	0.87	nd	nd	nd
Toluene	(ug/L)	0.5	nd	nd	nd	nd	nd	nd
Ethylbenzene	(ug/L)	0.5	nd	4.5	0.83	nd	nd	nd
Total Xylenes	(ug/L)	0.5	nd	nd	nd	nd	nd	nd
Methyl-t-butyl ether (MTBE)								
	(ug/L)	0.5	nd	nd	nd	nd	2.6	5.3
TPH-gasoline range (C5-C11)								
	(ug/L)	50	nd	410	nd	nd	nd	nd
TPH-diesel range (C12-C24)								
	(ug/L)	50	nd	480	nd	nd	nd	370
TPH-Motor Oil range (C25-C30)								
	(ug/L)	250	nd	nd	nd	nd	nd	350

Surrogate Recovery:

DBFM	84%	88%	85%	86%	88%	105%
Toluene-d8	91%	91%	92%	91%	92%	93%
1,4-BFB	83%	84%	83%	84%	86%	86%

'nd' INDICATES NOT DETECTED AT LISTED REPORTING LIMITS

'RL' INDICATES REPORTING LIMITS at a Dilution Factor of 1

ANALYSES PERFORMED IN TEG-Northern California's DHS CERTIFIED LAB

ANALYSES PERFORMED BY: Mr. Leif Jonsson

DATA REVIEWED BY: Mr. Henry Wilkinson

page 2



SCS Engineers Project #01205098.01
130 Winsor Street
Milpitas, California

TEG Project #51219E

BTEX, MTBE, & TPH-g (EPA method 8260B) & TPH-d & m.o. (EPA method 8015m) Analyses of WATER

SAMPLE NUMBER:			014-11	014-12	014-13
			dup		
COLLECTION DATE:			12/20/05	12/20/05	12/20/05
ANALYSIS DATE:			12/20/05	12/20/05	12/20/05
DILUTION FACTOR:			1	1	1
RL					
Benzene	(ug/L)	0.5	nd	nd	nd
Toluene	(ug/L)	0.5	nd	nd	nd
Ethylbenzene	(ug/L)	0.5	nd	nd	nd
Total Xylenes	(ug/L)	0.5	nd	nd	nd
Methyl-t-butyl ether (MTBE)					
	(ug/L)	0.5	4.3	nd	nd
TPH-gasoline range (C5-C11)					
	(ug/L)	50	nd	nd	nd
TPH-diesel range (C12-C24)					
	(ug/L)	50	350	nd	nd
TPH-Motor Oil range (C25-C30)					
	(ug/L)	250	350	nd	nd
Surrogate Recovery:					
DBFM			89%	88%	85%
Toluene-d8			95%	91%	92%
1,4-BFB			85%	85%	83%

'nd' INDICATES NOT DETECTED AT LISTED REPORTING LIMITS

'RL' INDICATES REPORTING LIMITS at a Dilution Factor of 1

ANALYSES PERFORMED IN TEG-Northern California's DHS CERTIFIED LAB

ANALYSES PERFORMED BY: Mr. Leif Jonsson

DATA REVIEWED BY: Mr. Henry Wilkinson

page 3



SCS Engineers Project #01205098.01
130 Winsor Street
Milpitas, California

TEG Project #51219E

BTEX, MTBE, & TPH-g (EPA method 8260B) & TPH-d & m.o. (EPA method 8015m) Analyses of SOIL

SAMPLE NUMBER:			014-4, 15.0'	014-6, 10.0'	014-7, 10.0'	014-10, 0-0.5'
COLLECTION DATE:			12/19/05	12/19/05	12/19/05	12/20/05
ANALYSIS DATE:			12/19/05	12/19/05	12/19/05	12/20/05
DILUTION FACTOR:			1	1	1	1
RL						
Benzene	(ug/Kg)	5.0	nd	7.6	130	nd
Toluene	(ug/Kg)	5.0	nd	nd	nd	nd
Ethylbenzene	(ug/Kg)	5.0	nd	31	190	nd
Total Xylenes	(ug/Kg)	5.0	nd	nd	nd	nd
Methyl-t-butyl ether (MTBE)	(ug/Kg)	5.0	nd	nd	nd	nd
TPH-gasoline range (C5-C11)	(mg/Kg)	1.0	1.5	37	31	nd
TPH-diesel range (C12-C24)	(mg/Kg)	10	nd	28	nd	nd
TPH-Motor Oil range (C25-C30)	(mg/Kg)	20	nd	180	110	nd
Surrogate Recovery:						
	DBFM		80%	78%	78%	84%
	Toluene-d8		92%	109%	106%	86%
	1,4-BFB		77%	84%	82%	68%

'nd' INDICATES NOT DETECTED AT LISTED REPORTING LIMITS

'RL' INDICATES REPORTING LIMITS at a Dilution Factor of 1

ANALYSES PERFORMED IN TEG-Northern California's DHS CERTIFIED LAB

ANALYSES PERFORMED BY: Mr. Leif Jonsson

DATA REVIEWED BY: Mr. Henry Wilkinson

page 2



SCS Engineers Project #01205098.01
130 Winsor Street
Milpitas, California

TEG Project #51219E

QA/QC DATA - MATRIX SPIKE ANALYSES - WATER

SAMPLE NUMBER	DATE ANALYZED	BENZENE ug/l	TOLUENE ug/l	MTBE ug/l	XYLENES ug/l	DIESEL ug/l	MOTOR OIL ug/l
014-3							
Spiked Conc.	12/20/05	25.0	25.0	25.0	75.0	2500	2500
Measured Conc.		17.8	18.7	19.2	70.1	2020	2590
% Recovery		71%	75%	77%	93%	81%	104%
Spiked Conc.	12/20/05	25.0	25.0	25.0	75.0	2500	2500
Measured Conc.		18.3	19.0	19.8	72.0	1840	2890
% Recovery		73%	76%	79%	96%	74%	116%
RPD		2.8%	1.6%	3.1%	2.7%	9.3%	10.9%

ACCEPTABLE RPD LIMIT = 25%

QA/QC DATA - MATRIX SPIKE ANALYSES - SOIL

SAMPLE NUMBER	DATE ANALYZED	BENZENE ug/kg	TOLUENE ug/kg	MTBE ug/kg	XYLENES ug/kg	DIESEL mg/kg	MOTOR OIL mg/kg
014-10, 0-0.5'; 014-4, 15.0'							
Spiked Conc.	12/20/05	50.0	50.0	50.0	150	100	100
Measured Conc.		49.6	46.8	56.0	168	114	80.3
% Recovery		99%	94%	112%	112%	114%	80%
Spiked Conc.	12/20/05	50.0	50.0	50.0	150	100	100
Measured Conc.		52.9	49.2	58.0	168	111	79.1
% Recovery		106%	98%	116%	112%	111%	79%
RPD		6.4%	5.0%	3.5%	0.0%	2.7%	1.5%

ACCEPTABLE RPD LIMIT = 25%

ANALYSES PERFORMED IN TEG-Northern California's DHS CERTIFIED LAB

ANALYSES PERFORMED BY: Mr. Leif Jonsson

DATA REVIEWED BY: Mr. Henry Wilkinson



SCS Engineers Project #01205098.01
130 Winsor Street
Milpitas, California

TEG Project #51219E

BTEX, MTBE, & TPH-g (EPA method 8260B) & TPH-d & m.o. (EPA method 8015m) Analyses of SOIL

SAMPLE NUMBER:			Blank	Blank	014-1, 5.0'	014-1, 15.0'	014-2, 15.0'
COLLECTION DATE:					12/19/05	12/19/05	12/19/05
ANALYSIS DATE:			12/19/05	12/20/05	12/19/05	12/19/05	12/19/05
DILUTION FACTOR:			1	1	1	1	5
			RL				
Benzene	(ug/Kg)	5.0	nd	nd	nd	39	30
Toluene	(ug/Kg)	5.0	nd	nd	nd	27	nd
Ethylbenzene	(ug/Kg)	5.0	nd	nd	nd	460	nd
Total Xylenes	(ug/Kg)	5.0	nd	nd	6.1	790	nd
Methyl-t-butyl ether (MTBE)			(ug/Kg)	5.0	nd	nd	nd
TPH-gasoline range (C5-C11)	(mg/Kg)	1.0	nd	nd	170	13	190
TPH-diesel range (C12-C24)	(mg/Kg)	10	nd	nd	200	26	55
TPH-Motor Oil range (C25-C30)	(mg/Kg)	20	nd	nd	840	110	570
Surrogate Recovery:							
DBFM			86%	86%	78%	65%	76%
Toluene-d8			93%	93%	138%	116%	96%
1,4-BFB			82%	85%	93%	66%	78%

'nd' INDICATES NOT DETECTED AT LISTED REPORTING LIMITS

'RL' INDICATES REPORTING LIMITS at a Dilution Factor of 1

ANALYSES PERFORMED IN TEG-Northern California's DHS CERTIFIED LAB

ANALYSES PERFORMED BY: Mr. Leif Jonsson

DATA REVIEWED BY: Mr. Henry Wilkinson

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